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Torsten B. Moeller
Emil Reif

Pocket Atlas of Radiographic Anatomy

Second edition, revised and enlarged

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Pocket Atlas of Radiographic Anatomy

Second edition, revised and enlarged

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To Bernie and Arlene,
Bryan and Nancy Riegner,
Southfield, Michigan

Preface to the Second Edition

Despite the introduction of digital radiography, the process of obtaining and evaluating radiographic images has not changed significantly in recent years, nor has the importance of a good knowledge of the anatomic details of conventional radiographs. This book is a case in point. We were very pleased with the wide distribution of the first edition, which has been an additional incentive to improve a number of details, include even better images, replace some of the drawings, and include a few new radiographs. The structure of the second edition also strictly follows that of *Normal Findings in Radiology* and *Pocket Atlas of Radiographic Positioning*. Our intention in this is to present clearly and concisely each respective chapter of conventional diagnostic radiography and to avoid unnecessary repetition. At the same time, we give the reader the opportunity to examine different aspects of the same material with the same degree of clarity, which may prove important on another occasion. We have employed a consistent style and the same radiographs to structure the material and make it more readily accessible for reading, learning, or reference purposes.

Dillingen, Summer 1999

Torsten B. Möller
Emil Reif

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Lower Extremities

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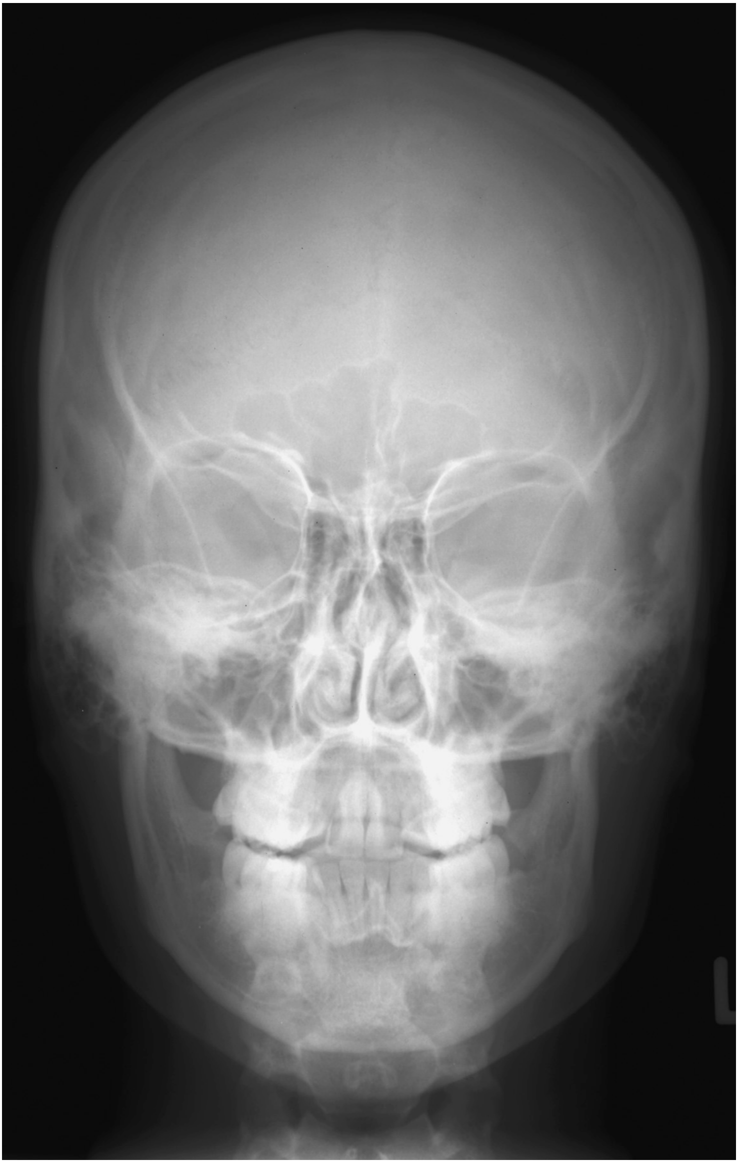
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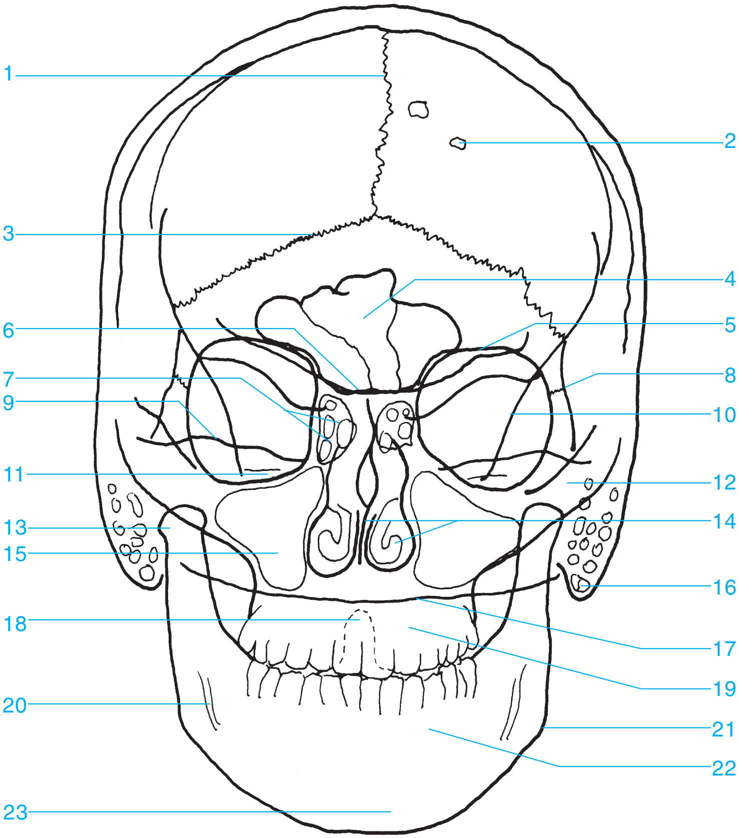
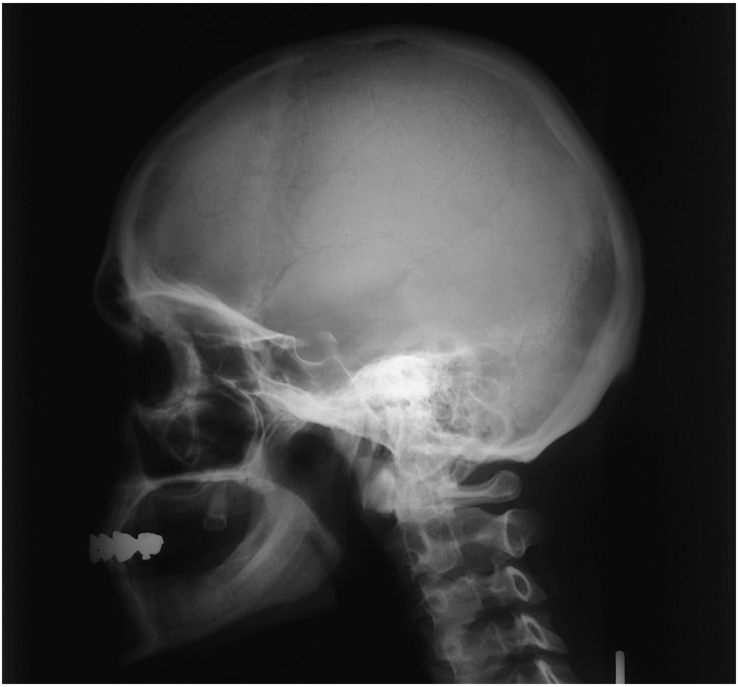
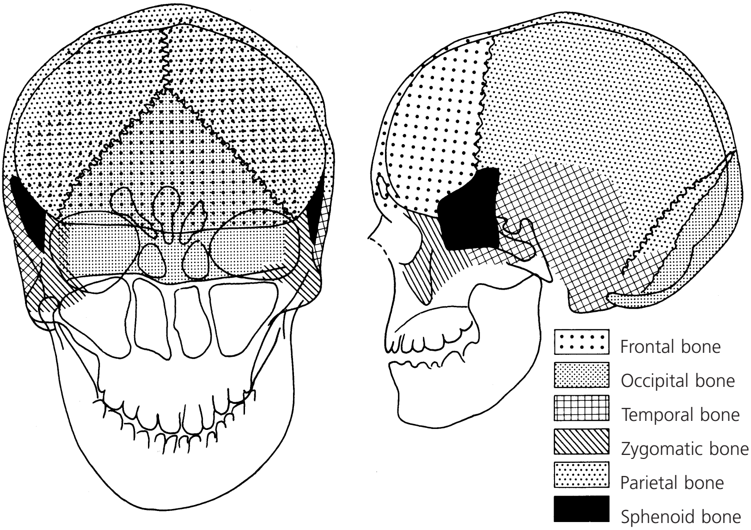
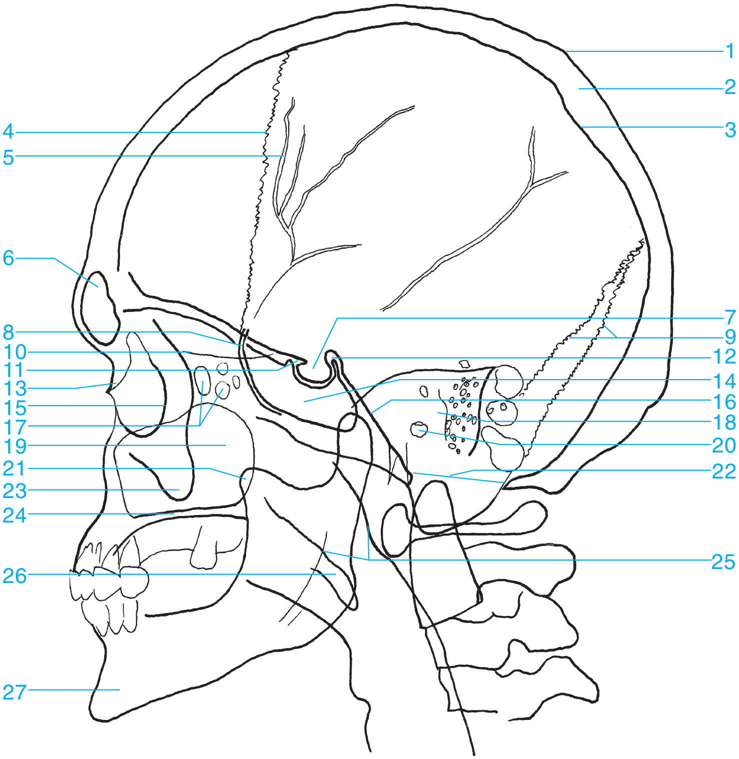
Posterior-Anterior View of the Skull



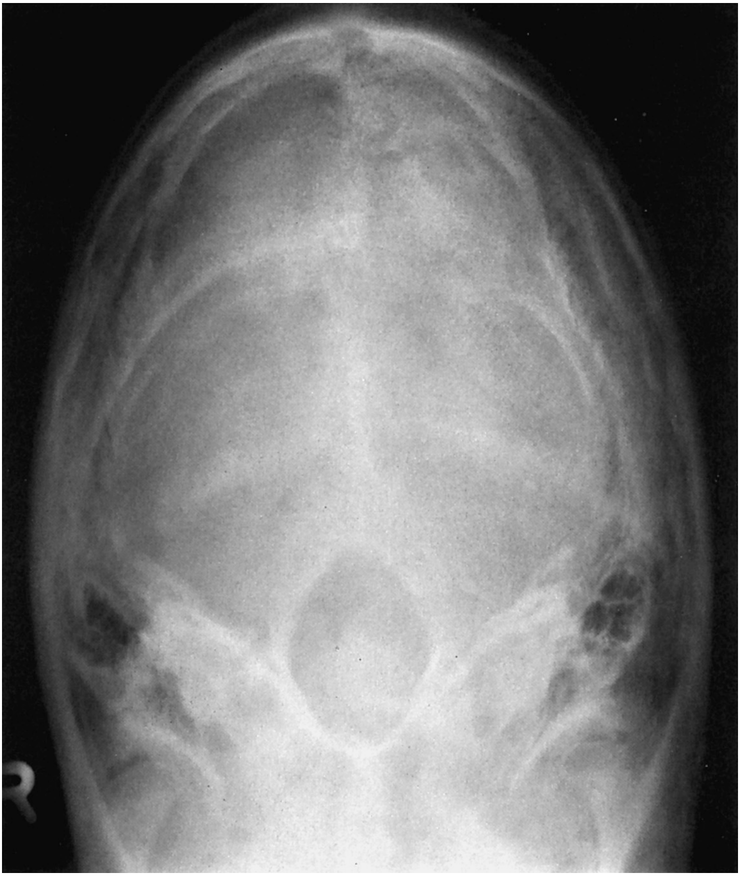
1	Sagittal suture
2	Pacchionian granulations
3	Lambdoid suture
4	Frontal sinus
5	Roof of the orbit
6	Sphenoid
7	Ethmoid sinus
8	Frontozygomatic suture
9	Petrous ridge
10	Innominate line
11	Internal auditory canal
12	Zygomatic arch
13	Condylar process of the mandible
14	Nasal septum and inferior nasal bones
15	Maxillary sinus
16	Mastoid process
17	Occiput
18	Dens of the axis
19	Maxilla
20	Mandibular canal
21	Angle of the mandible
22	Mandible
23	Mental protuberance




Frontal bone
Occipital bone
Temporal bone
Zygomatic bone
Parietal bone
Sphenoid bone



1 Outer table of the parietal bone
2 Diploe
3 Inner table of the parietal bone
4 Coronal suture
5 Groove of the middle meningeal artery
6 Frontal sinus
7 Pituitary fossa
8 Greater wing of the sphenoid
9 Lambdoid suture
10 Cribriform plate
11 Anterior clinoid process
12 Posterior clinoid process
13 Nasal bone
14 Sphenoid sinus
15 Zygomatic bone (lateral wall of the orbit)
16 Clivus
17 Ethmoid sinus
18 Petrous portion of the temporal bone
19 Maxillary sinus
20 Opening of the external auditory canal
21 Coronoid process of the mandible
22 Foramen magnum
23 Zygomatic process
24 Hard palate
25 Nasopharynx
26 Soft palate
27 Mandible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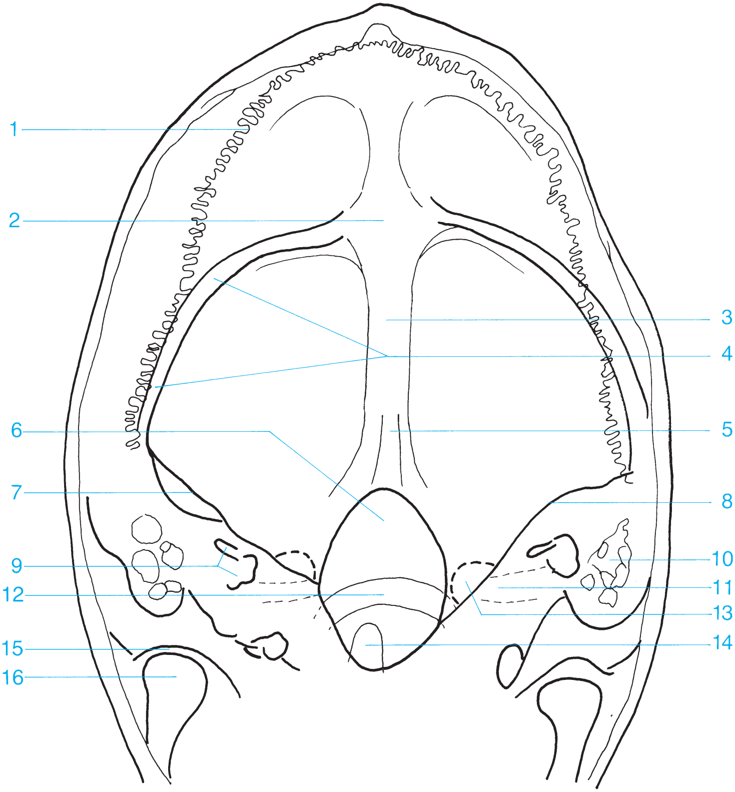
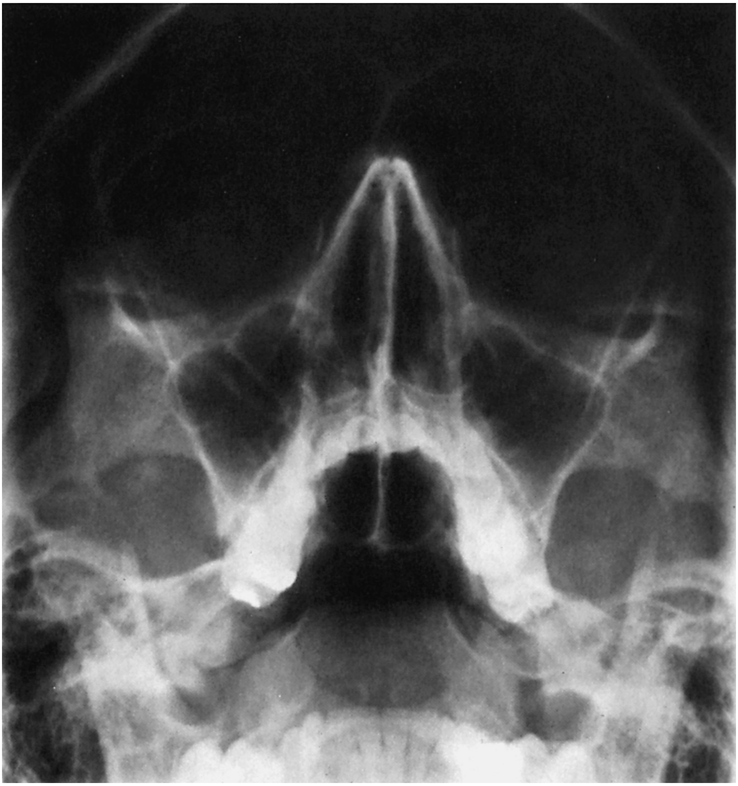
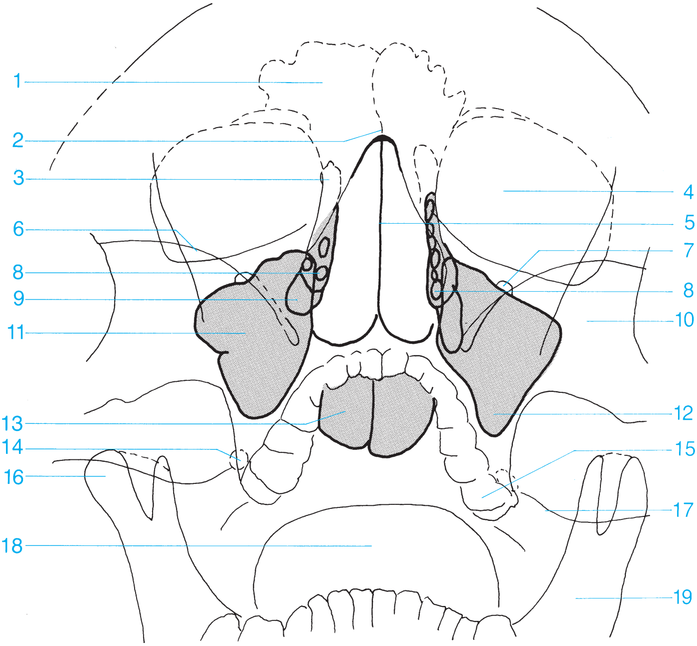
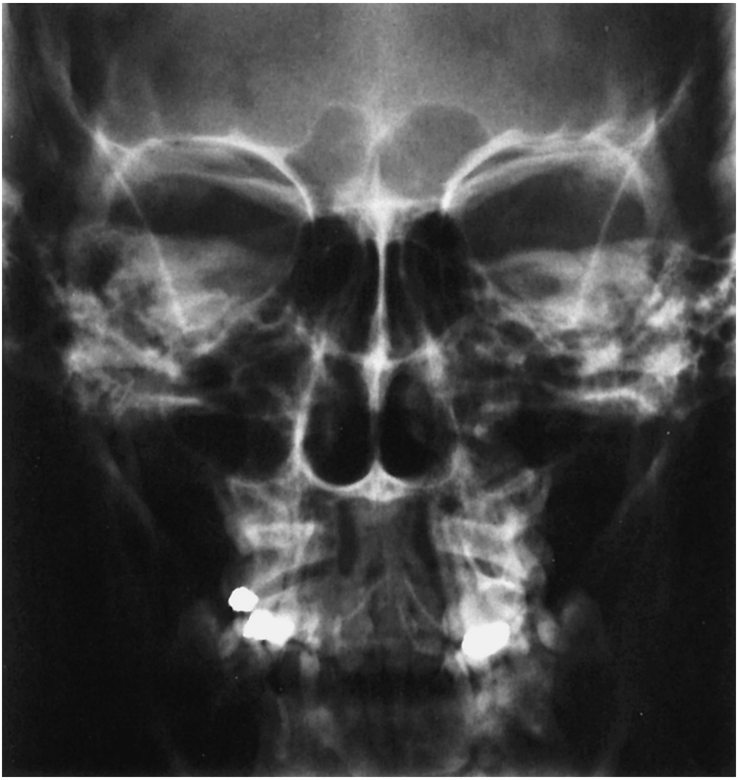


1 Lambdoid suture
2 Occipital protuberances (external and internal)
3 Occipital bone
4 Sulcus of the transverse sinus
5 Occipital crest
6 Foramen magnum
7 Petrous bone
8 Arcuate eminence
9 Semicircular canals
10 Mastoid air cells
11 Internal auditory canal
12 Posterior arch of the atlas
13 Jugular foramen
14 Dens
15 Temporomandibular joint
16 Condyle of the mandible

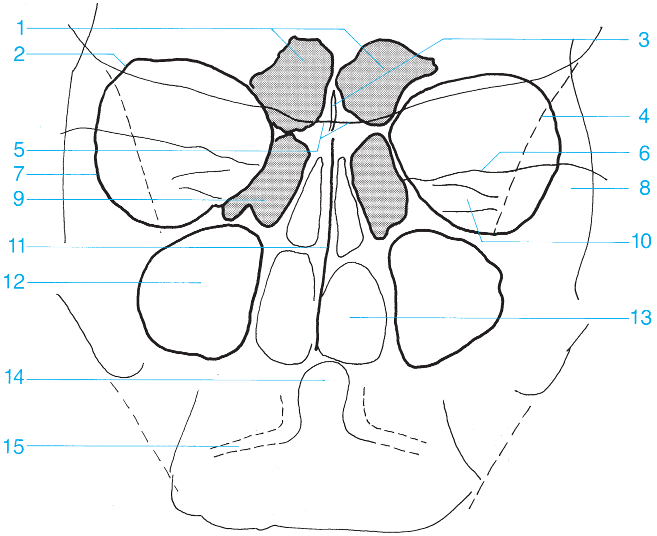




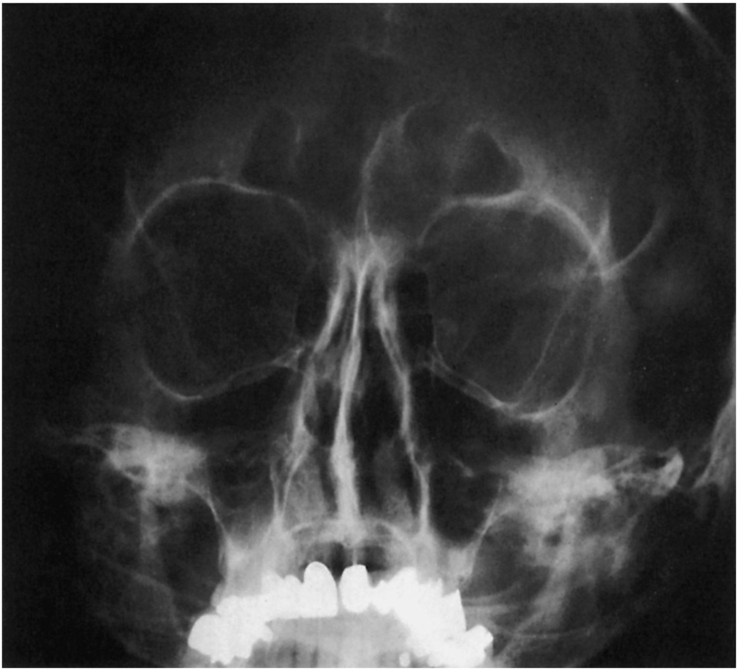
1	Frontal sinus	**11**	Maxillary sinus
2	Nasal bone	**12**	Alveolar recess of the maxilla
3	Anterior ethmoid sinus	**13**	Sphenoid sinus
4	Orbit	**14**	Foramen ovale
5	Nasal septum	**15**	Alveolar process of the maxilla
6	Greater wing of the sphenoid	**16**	Condyle of the mandible
7	Infraorbital foramen	**17**	Petrous ridge
8	Foramen rotundum	**18**	Tongue
9	Posterior ethmoid sinus	**19**	Mandible
10	Zygomatic bone		

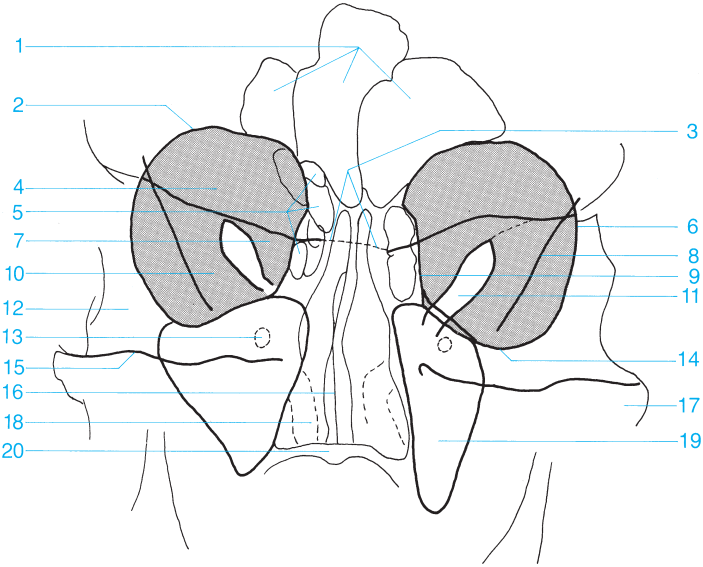


Occipitofrontal View of the Nasal Sinuses

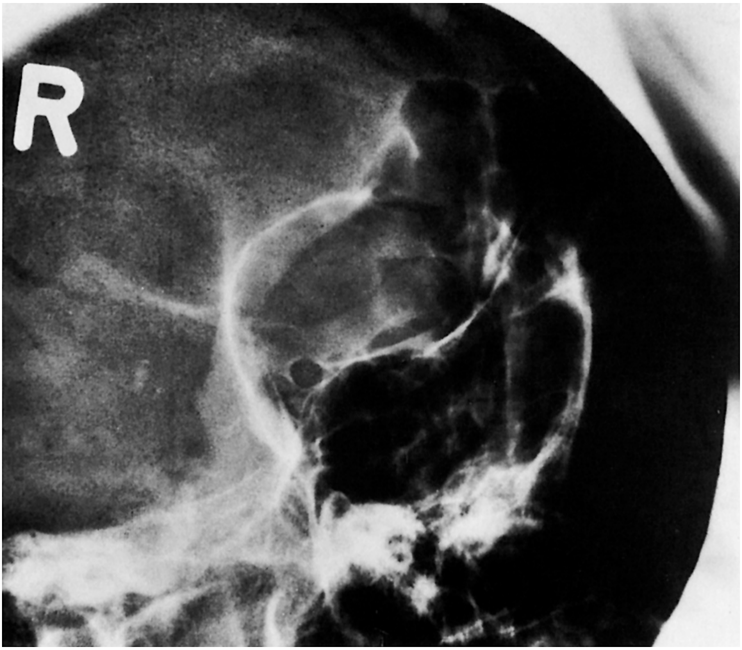


1	Frontal sinus	**9**	Anterior ethmoid sinus
2	Roof of the orbit	**10**	Internal auditory canal
3	Crista galli	**11**	Nasal septum
4	Innominate line	**12**	Maxillary sinus
5	Sphenoid	**13**	Nasal cavity
6	Petrous ridge	**14**	Dens
7	Lateral wall of the orbit	**15**	Atlantoaxial joint
8	Zygomatic bone		





- **1** Frontal sinus
- **2** Roof of the orbit
- **3** Sphenoid
- **4** Orbit (gray background)
- **5** Ethmoid sinus
- **6** Lateral wall of the orbit
- **7** Lesser wing of the sphenoid
- **8** Innominate line
- **9** Orbital plate
- **10** Greater wing of the sphenoid
- **11** Superior orbital fissure
- **12** Frontal process of the zygomatic bone
- **13** Foramen rotundum
- **14** Floor of the orbit
- **15** Petrous ridge
- **16** Nasal septum
- **17** Zygomatic arch
- **18** Inferior turbinate
- **19** Maxillary sinus
- **20** Hard palate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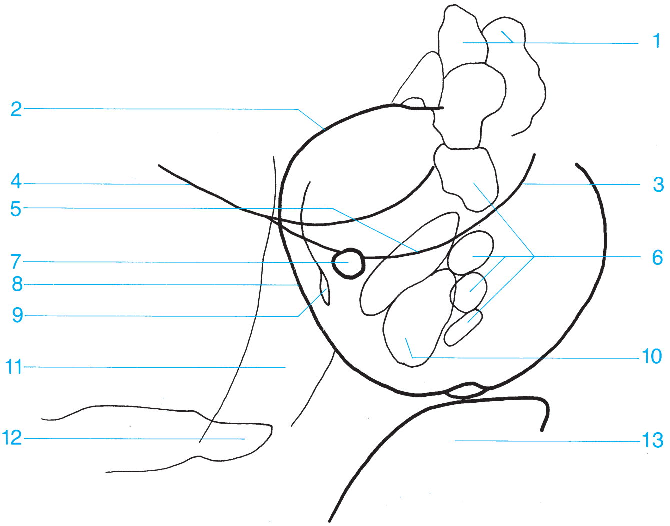
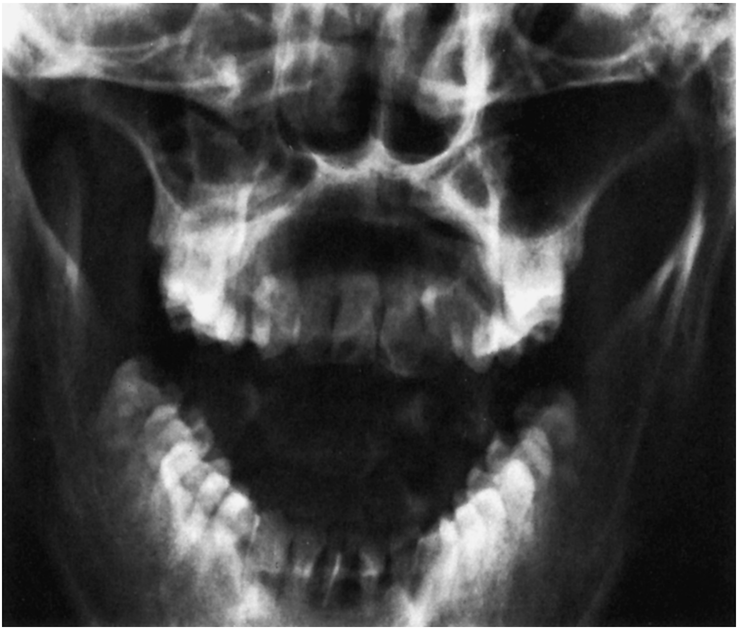
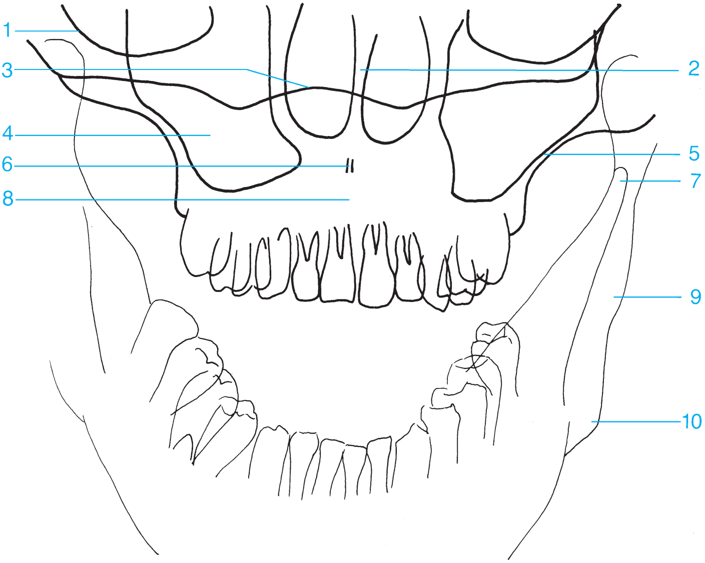
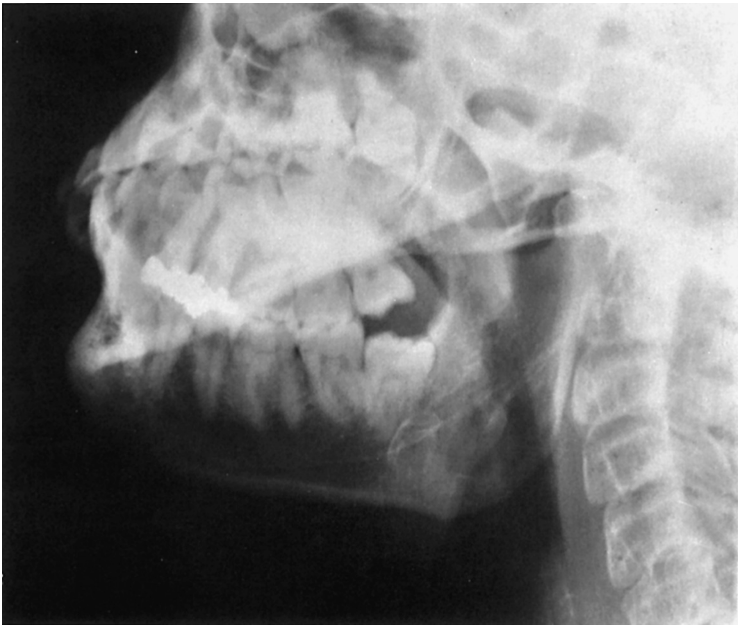


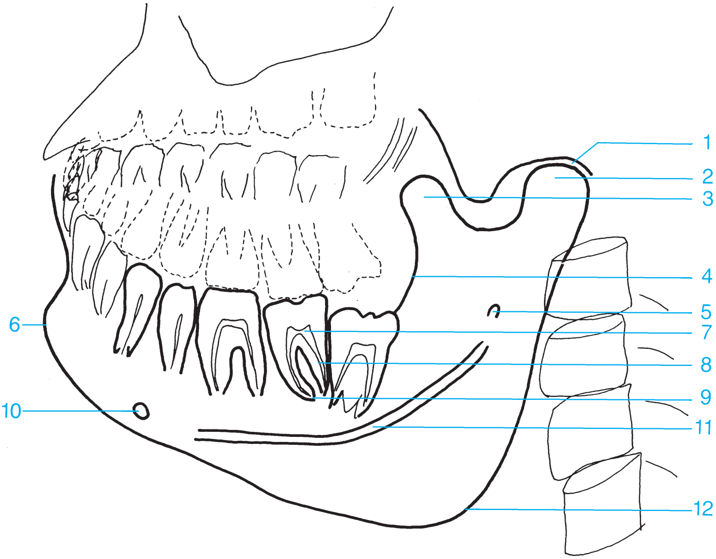
1	Frontal sinus	**8**	Lateral wall of the orbit
2	Roof of the orbit	**9**	Superior orbital fissure
3	Left lesser wing of the sphenoid	**10**	Sphenoid sinus
4	Right lesser wing of the sphenoid	**11**	Zygomatic arch
5	Sphenoid	**12**	Petrous portion of the temporal bone
6	Ethmoid sinus	**13**	Maxillary sinus
7	Optic canal		



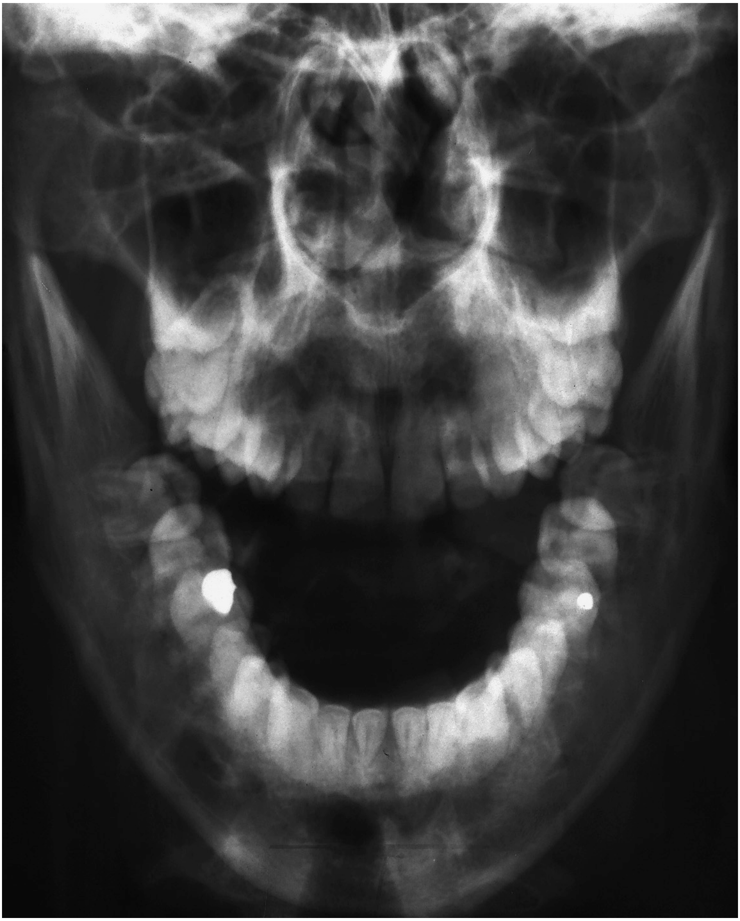


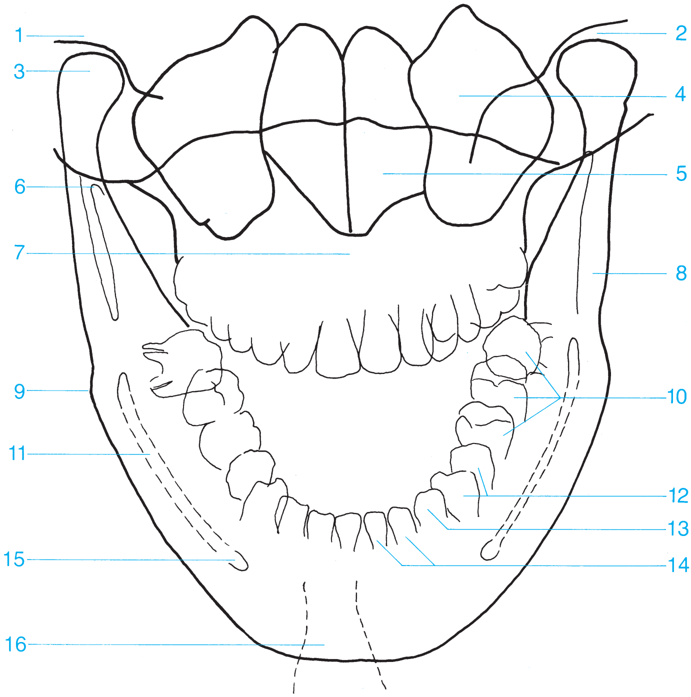
1	Floor of the orbit	**6**	Anterior nasal spine
2	Nasal septum	**7**	Coronoid process
3	Base of the skull	**8**	Maxilla
4	Maxillary sinus	**9**	Ramus of the mandible
5	Lateral wall of the maxilla	**10**	Angle of the mandible



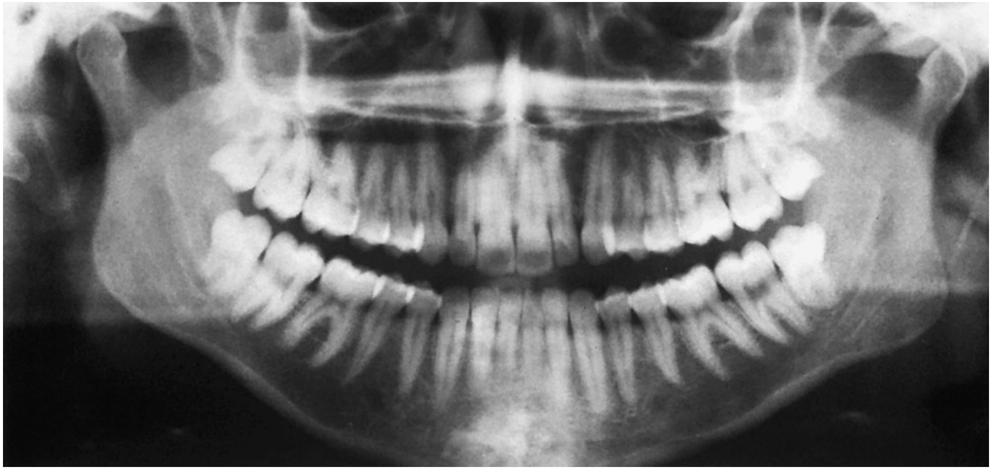


1	Temporomandibular joint	**7**	Pulp cavity
2	Condyle of the mandible	**8**	Root canal
3	Coronoid process	**9**	Apical foramen of the tooth
4	Cortex of ramus of the mandible	**10**	Mental foramen
5	Mandibular foramen	**11**	Mandibular canal
6	Mental protuberance	**12**	Angle of the mandible

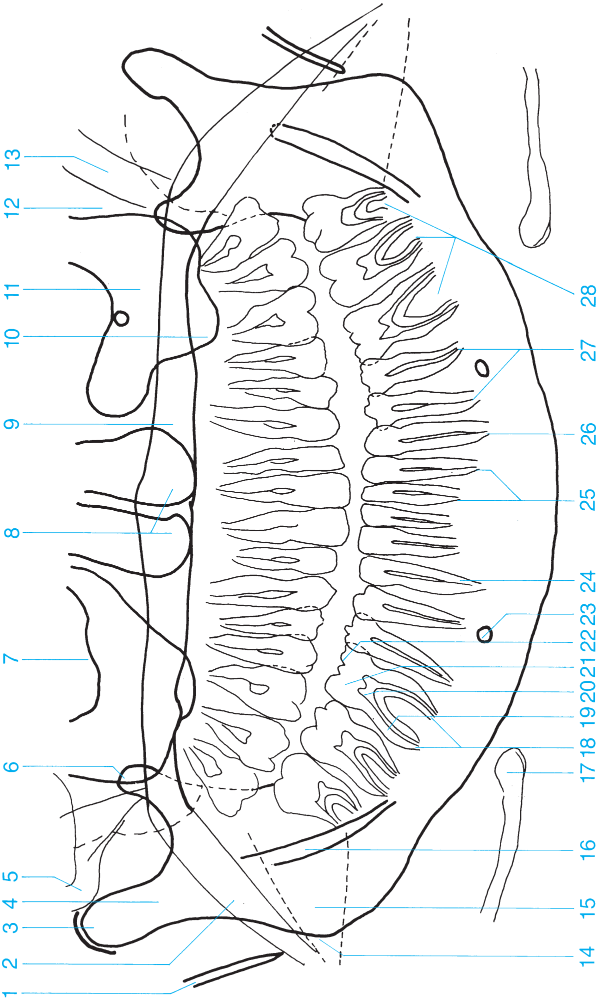




1	Temporal bone	**10**	Molars
2	Temporomandibular joint	**11**	Mandibular canal
3	Condyle of the mandible	**12**	Premolars
4	Maxillary sinus	**13**	Canines
5	Nasal cavity	**14**	Incisors
6	Coronoid process	**15**	Mental foramen
7	Maxilla	**16**	Mental protuberance (trachea superimposed as radiolucent band)
8	Ramus of the mandible		
9	Angle of the mandible		



1 Styloid process
2 Soft palate
3 Condyle of the mandible
4 Condylar process
5 Zygomatic arch
6 Coronoid process
7 Floor of the orbit
8 Nasal cavity
9 Hard palate
10 Alveolar recess of the maxilla
11 Maxillary sinus
12 Pterygopalatine fossa
13 Pterygoid process
14 Angle of the mandible
15 Shadow of the tongue
16 Mandibular canal
17 Hyoid bone
18 Apical foramen of the tooth
19 Root canal
20 Pulp cavity
21 Dentin
22 Enamel
23 Mental foramen
24 Root of the tooth
25 Incisor
26 Canine
27 Premolar
28 Molar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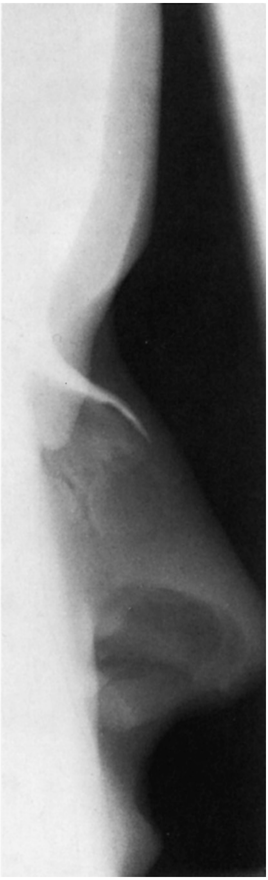
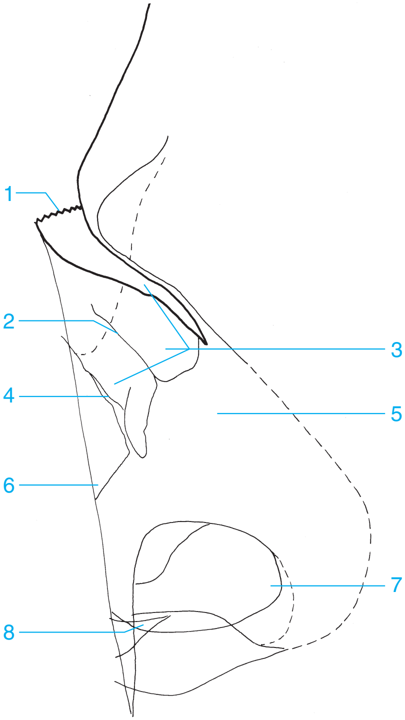
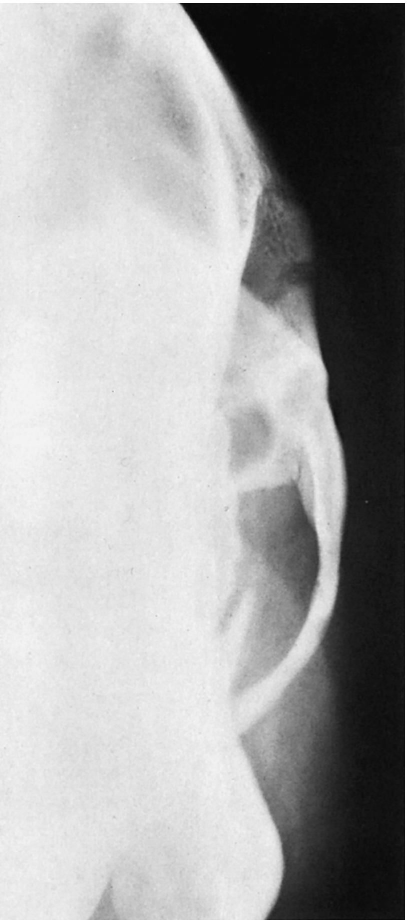
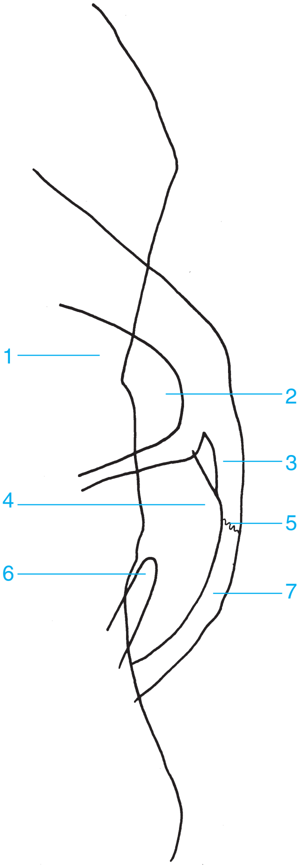
Skull: Lateral View of the Nose



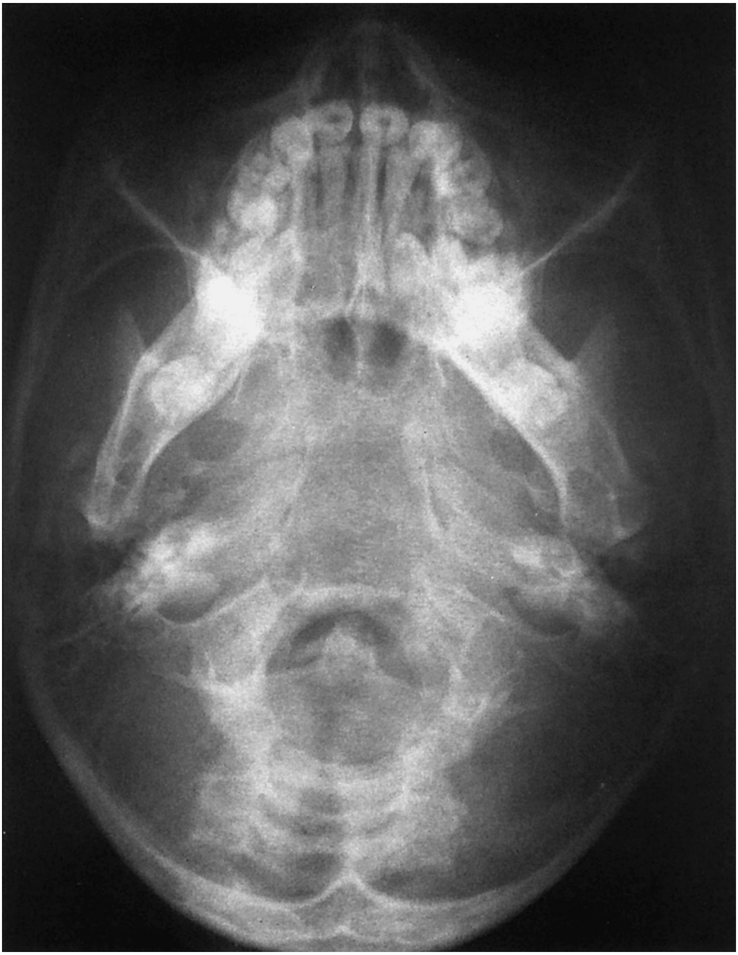


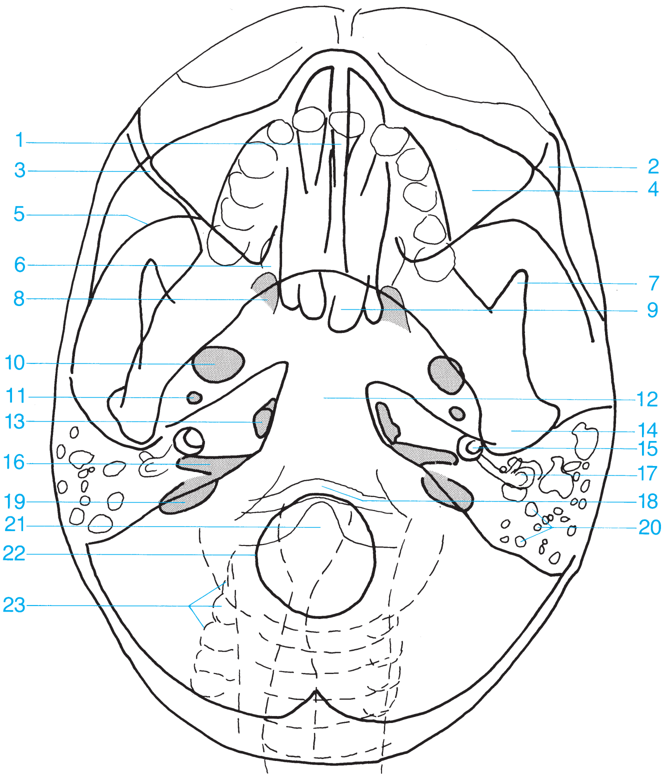
1 Frontonasal suture
2 Ethmoidal groove
3 Nasal bone
4 Nasomaxillary suture
5 Nasal cartilage
6 Maxilla
7 Vestibule of nose
8 Anterior nasal spine



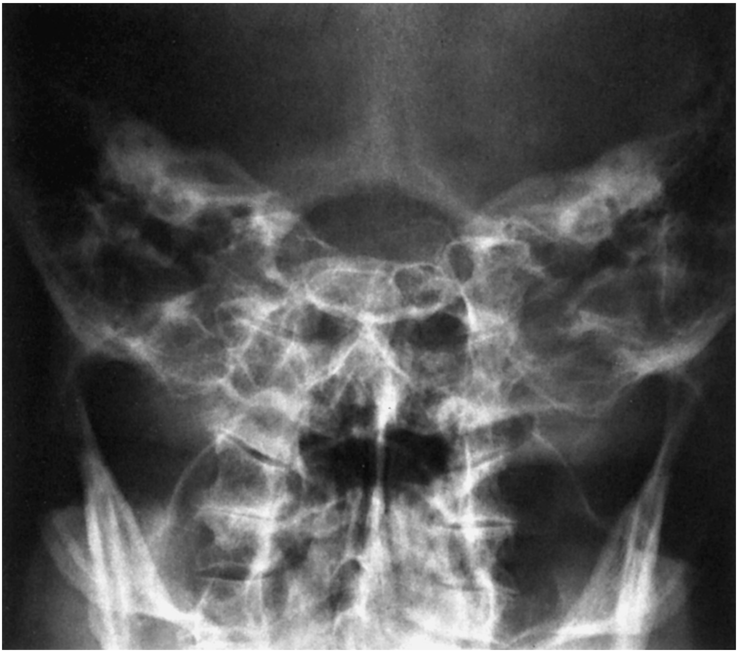


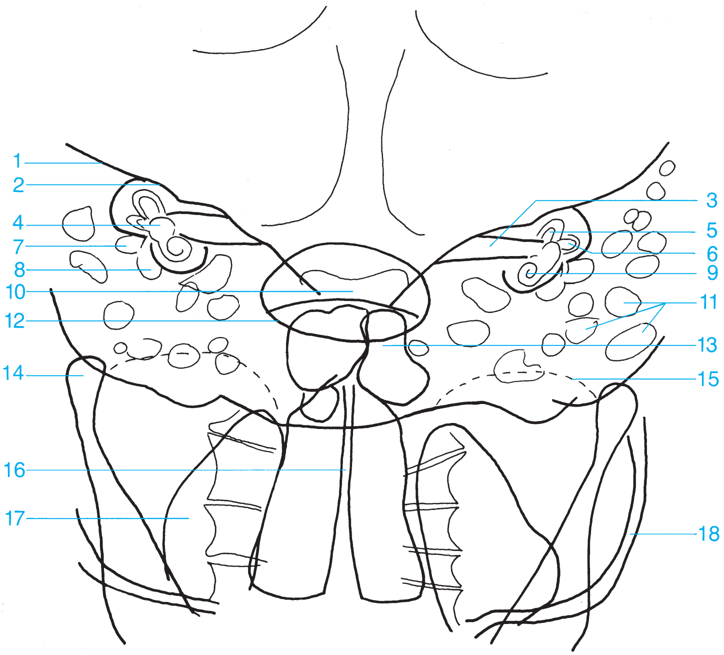
1 Maxillary sinus
2 Zygomatic recess (of the maxillary sinus)
3 Zygomatic arch
4 Temporal fossa
5 Temporozygomatic suture
6 Coronoid process (visualized end on)
7 Zygomatic process of the temporal bone



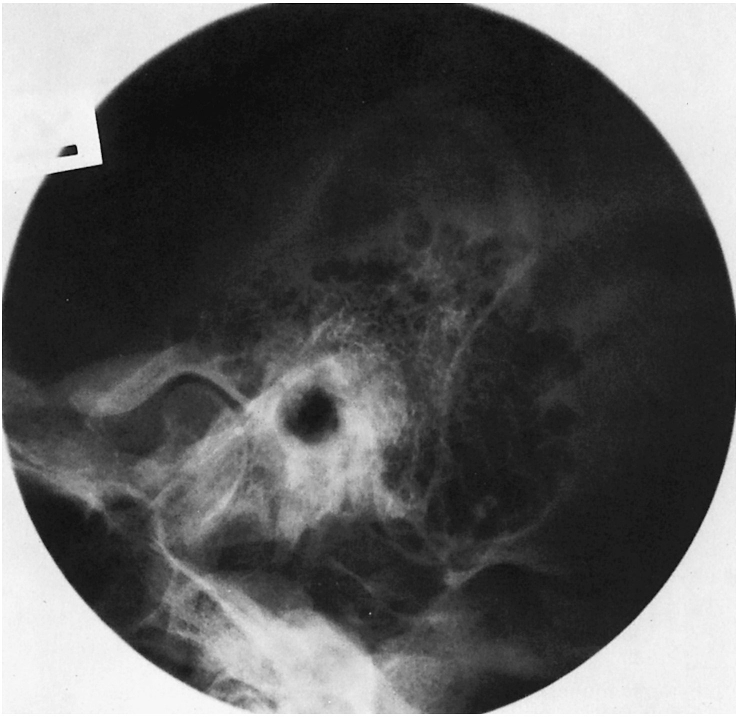


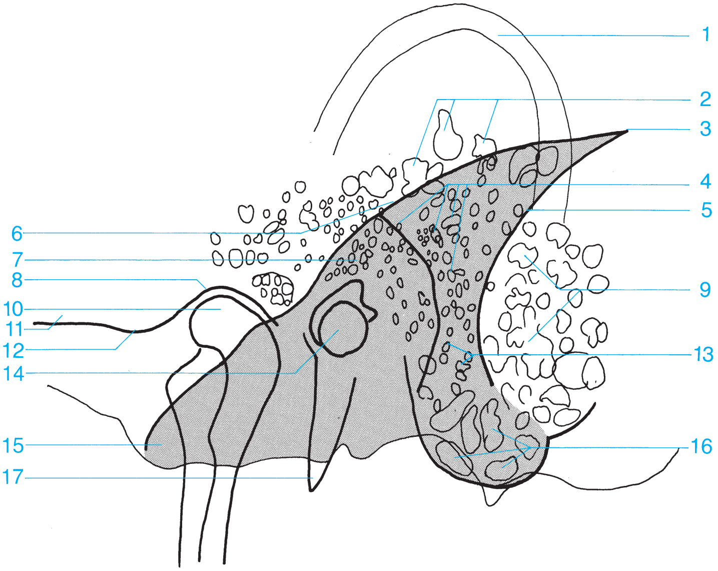
1 Nasal septum
2 Zygomatic bone
3 Posterior wall of maxillary sinus
4 Maxillary sinus (with orbit, partially superimposed)
5 Middle cranial fossa, greater wing (anterior wall of middle cranial fossa)
6 Pterygopalatine fossa
7 Coronoid process
8 Pterygoid fossa
9 Sphenoid sinus
10 Foramen ovale
11 Foramen spinosum
12 Clivus
13 Foramen lacerum
14 Condyle of the mandible
15 Cochlea
16 Internal auditory canal
17 Semicircular canals
18 Anterior arch of the atlas
19 Jugular foramen
20 Mastoid air cells
21 Dens of the axis
22 Foramen magnum
23 Cervical spine



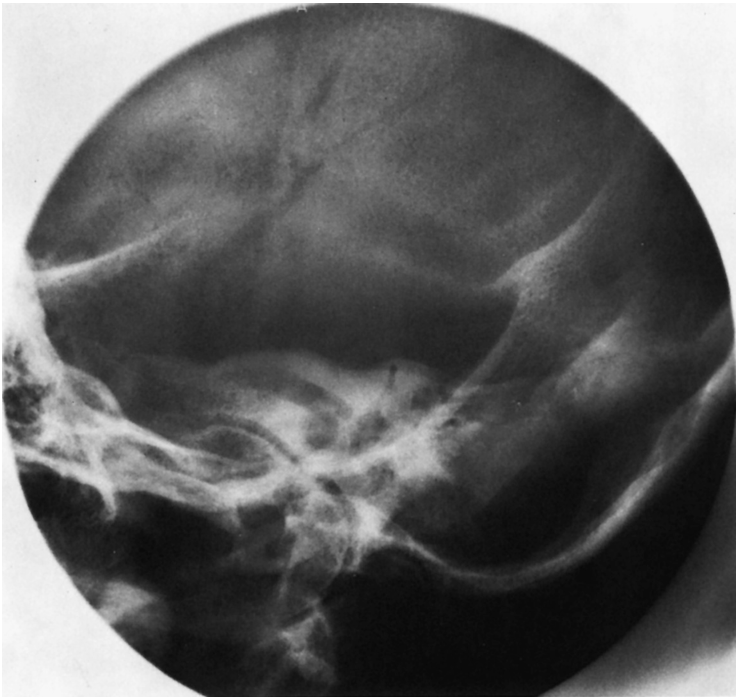


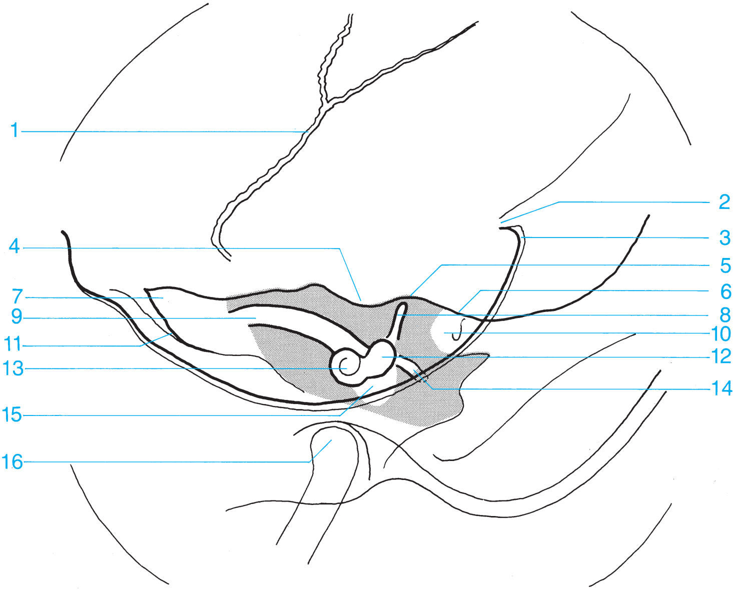
1	Petrous ridge	**10**	Dorsum sellae
2	Arcuate eminence	**11**	Mastoid air cells
3	Internal auditory canal	**12**	Foramen magnum
4	Vestibule	**13**	Frontal sinus
5	Anterior semicircular canal	**14**	Condyle of the mandible
6	Lateral semicircular canal	**15**	Roof of the orbit
7	Antrum of the mastoid	**16**	Nasal septum and nasal cavities
8	Tympanic cavity	**17**	Maxillary sinus
9	Cochlea	**18**	Zygomatic arch



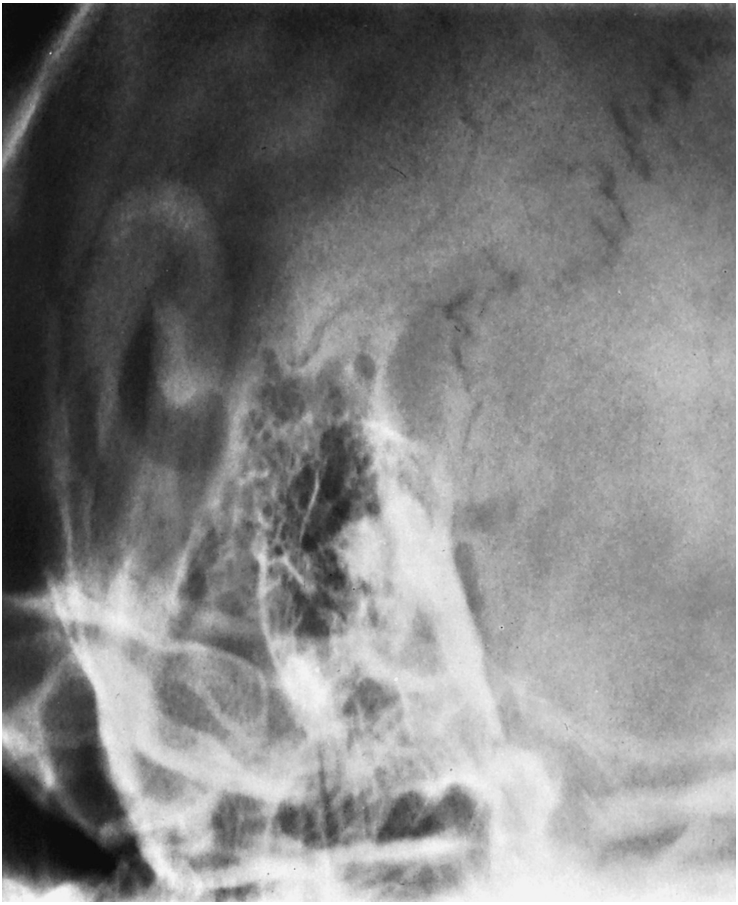


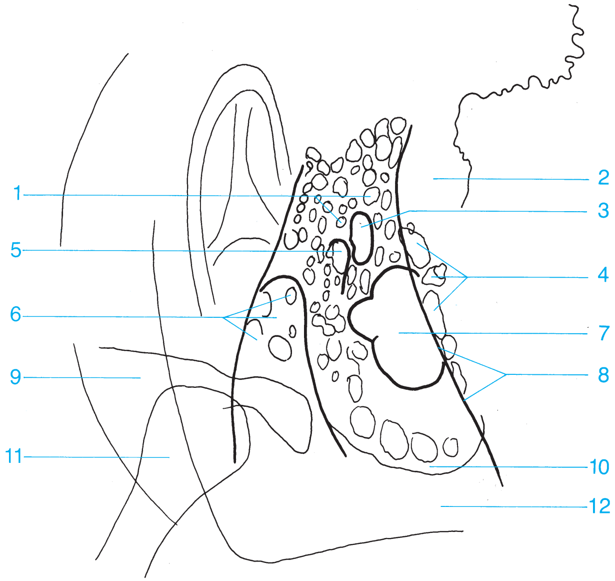
1 Outer ear
2 Squamous air cells
3 Angle of Citelli
4 Periantral air cells
5 Sulcus of the sigmoid sinus
6 Anterior margin of the petrous bone
7 Antrum of the mastoid
8 Temporomandibular joint fossa
9 Marginal air cells
10 Condyle of the mandible
11 Zygomatic process of the temporal bone
12 Articular tubercle
13 Retrofacial air cells
14 Internal and external auditory canal
15 Apex of the petrous bone
16 Air cells in the tip of the mastoid process
17 Styloid process



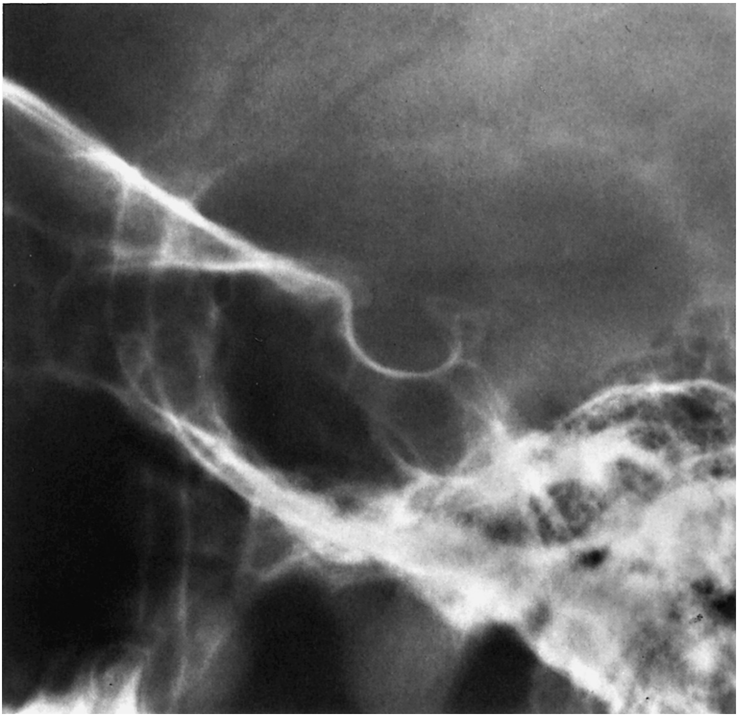


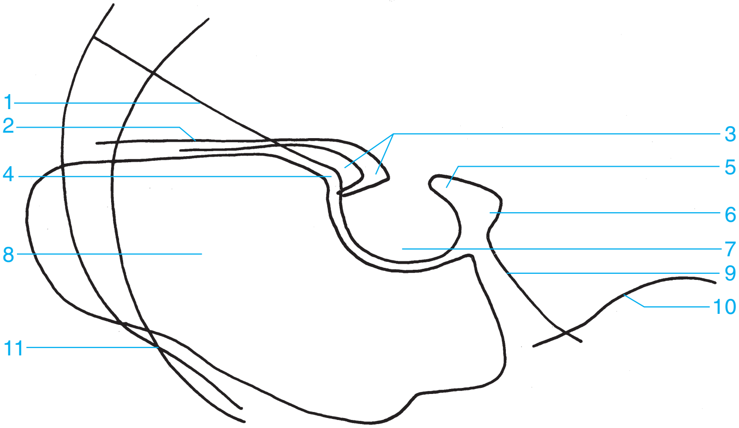
1	Sphenosquamous suture	**9**	Internal auditory canal
2	Internal occipital protuberance	**10**	Antrum
3	Internal occipital crest	**11**	Sphenopetrosal fissure
4	Subarcuate fossa	**12**	Vestibule
5	Arcuate eminence	**13**	Cochlea
6	Roof of the tympanic cavity	**14**	Lateral semicircular canal
7	Apex of the petrous pyramid	**15**	Tympanic cavity
8	Anterior semicircular canal	**16**	Condyle of the mandible



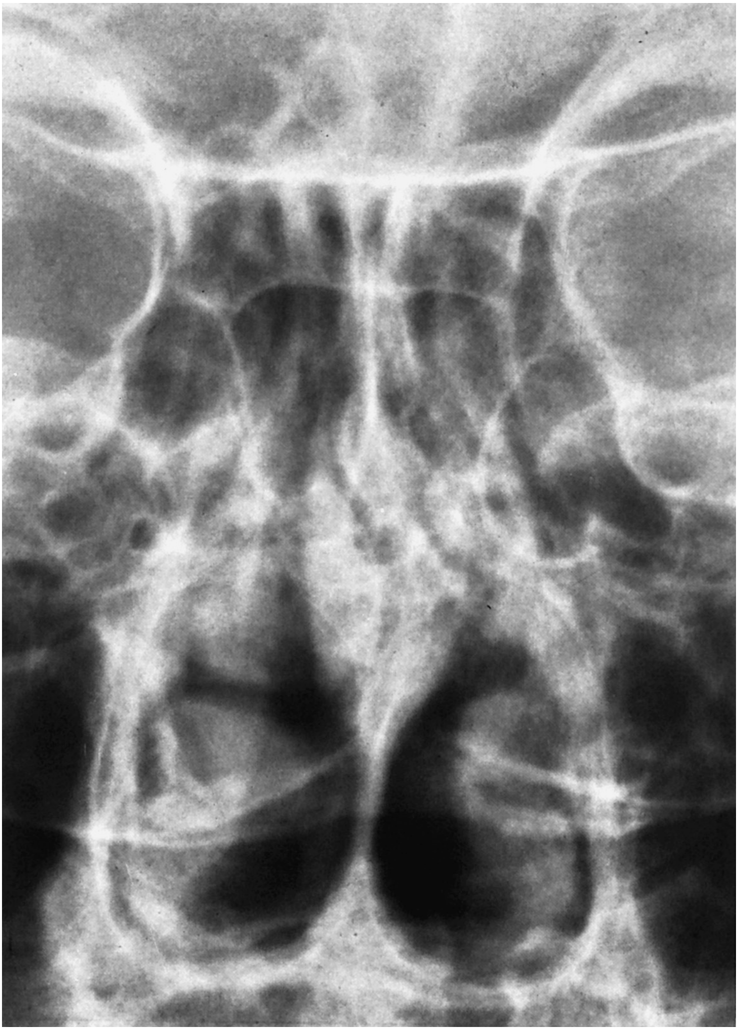


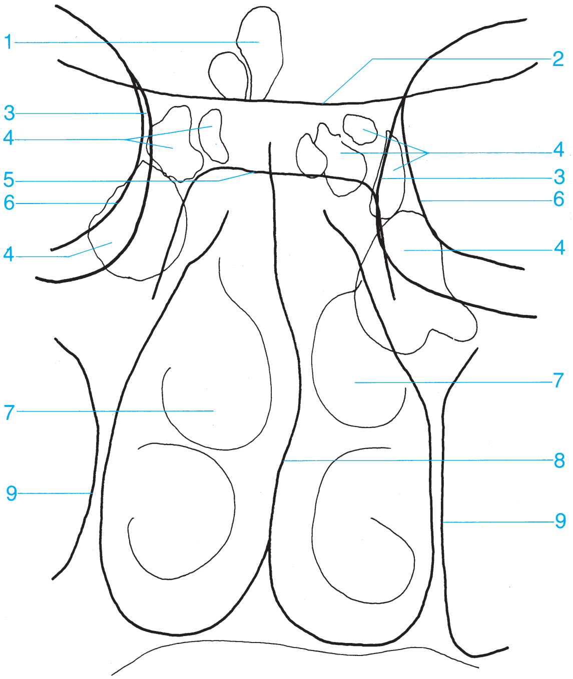
1	Periantral air cells	**7**	Osseous labyrinth
2	Sigmoid sinus	**8**	Osseous sinus wall (posterior margin of the petrous bone)
3	Antrum	**9**	Zygomatic bone
4	Retrosinus air cells	**10**	Apex of the mastoid
5	Aperture of mastoid antrum	**11**	Condyle of the mandible
6	External auditory canal and tympanic cavity	**12**	Apex of the petrous bone



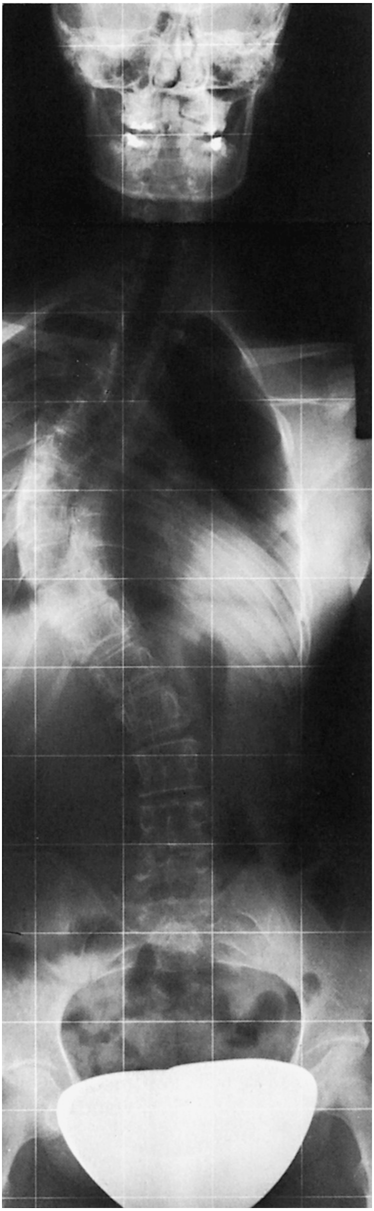


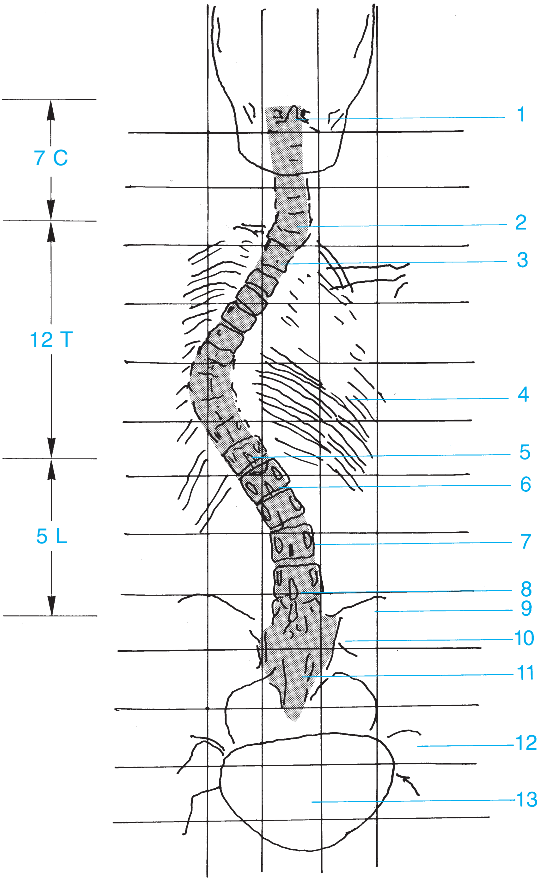
1 Floor of anterior cranial fossa and roof of orbits
2 Sphenoid
3 Anterior clinoid process
4 Tuberculum sellae
5 Posterior clinoid process
6 Dorsum sellae
7 Pituitary fossa
8 Sphenoid sinus
9 Clivus
10 Petrous ridge
11 Greater wing of the sphenoid





1 Frontal sinuses
2 Sphenoid
3 Medial wall of orbit
4 Ethmoid sinus
5 Pituitary fossa (floor of the sella turcica)
6 Orbital plate
7 Nasal turbinates
8 Nasal septum
9 Medial wall of the maxillary sinus

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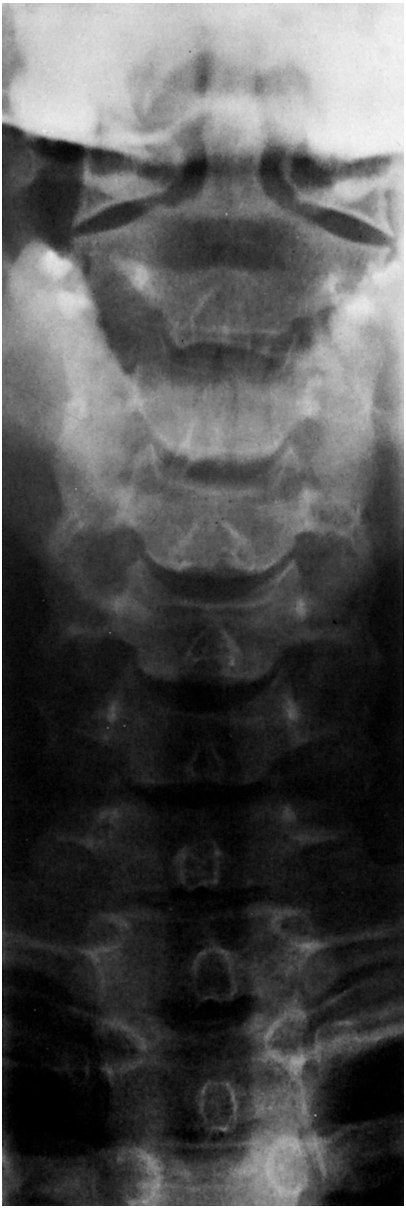
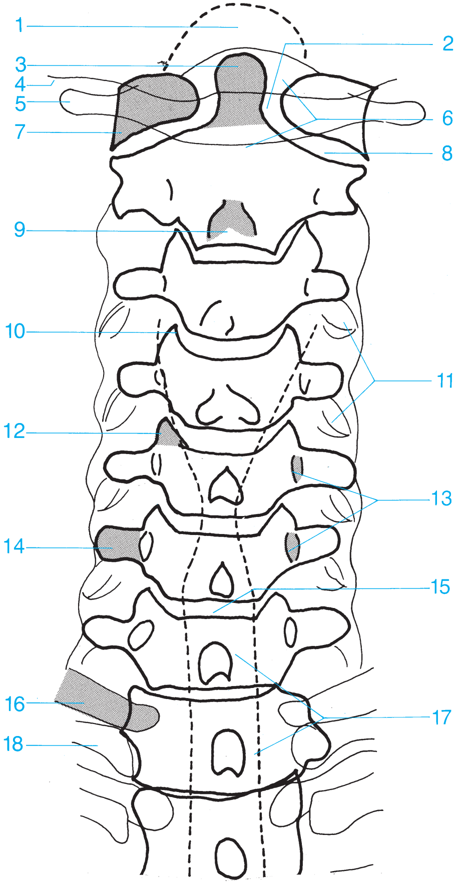
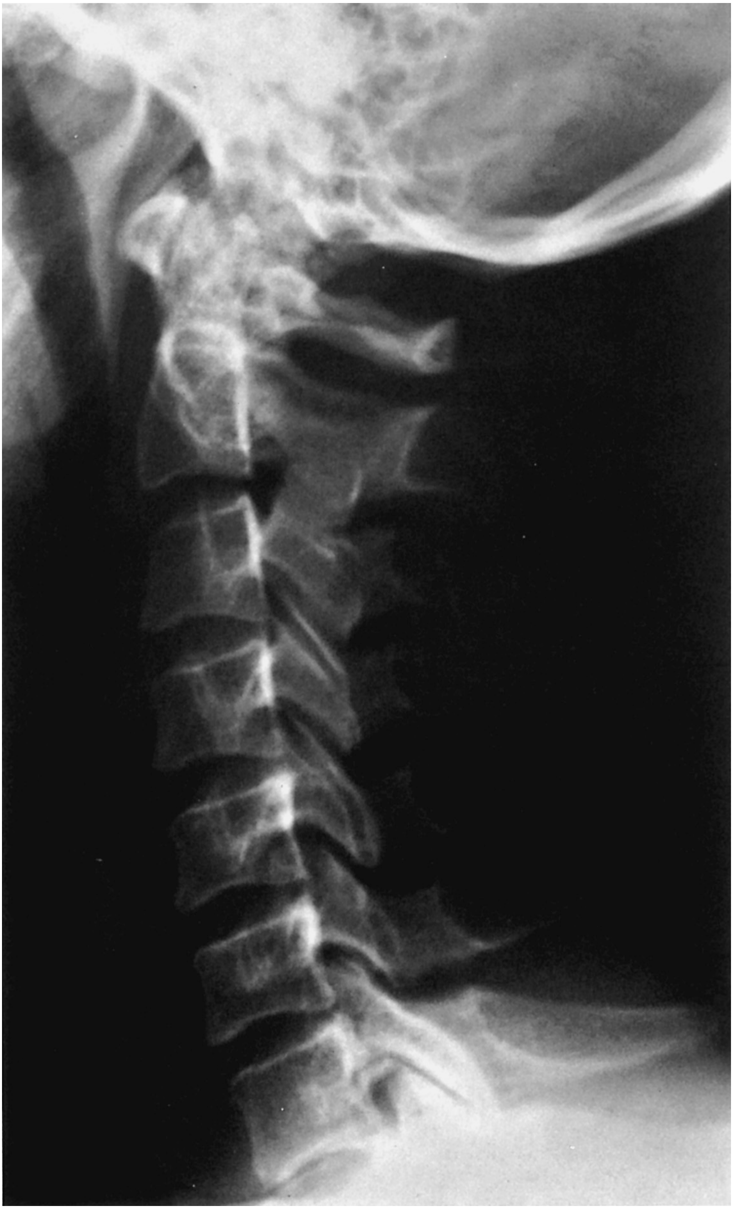
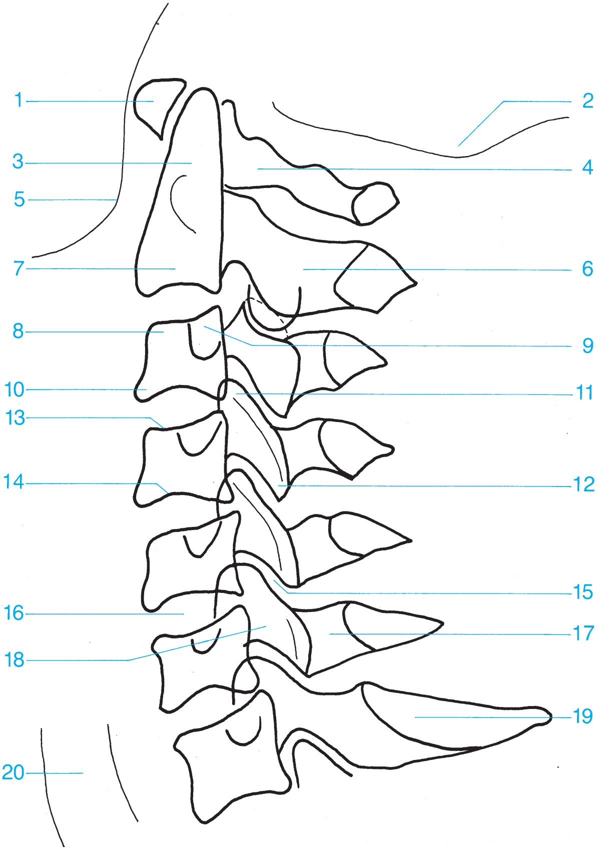
1	Dens of the axis	**8**	Spinous process, L6
2	C7	**9**	Ilium
3	T2	**10**	Sacroiliac joint
4	Rib cage	**11**	Sacrum
5	T12	**12**	Hip
6	L1	**13**	Gonad shield
7	Pedicle, L3		



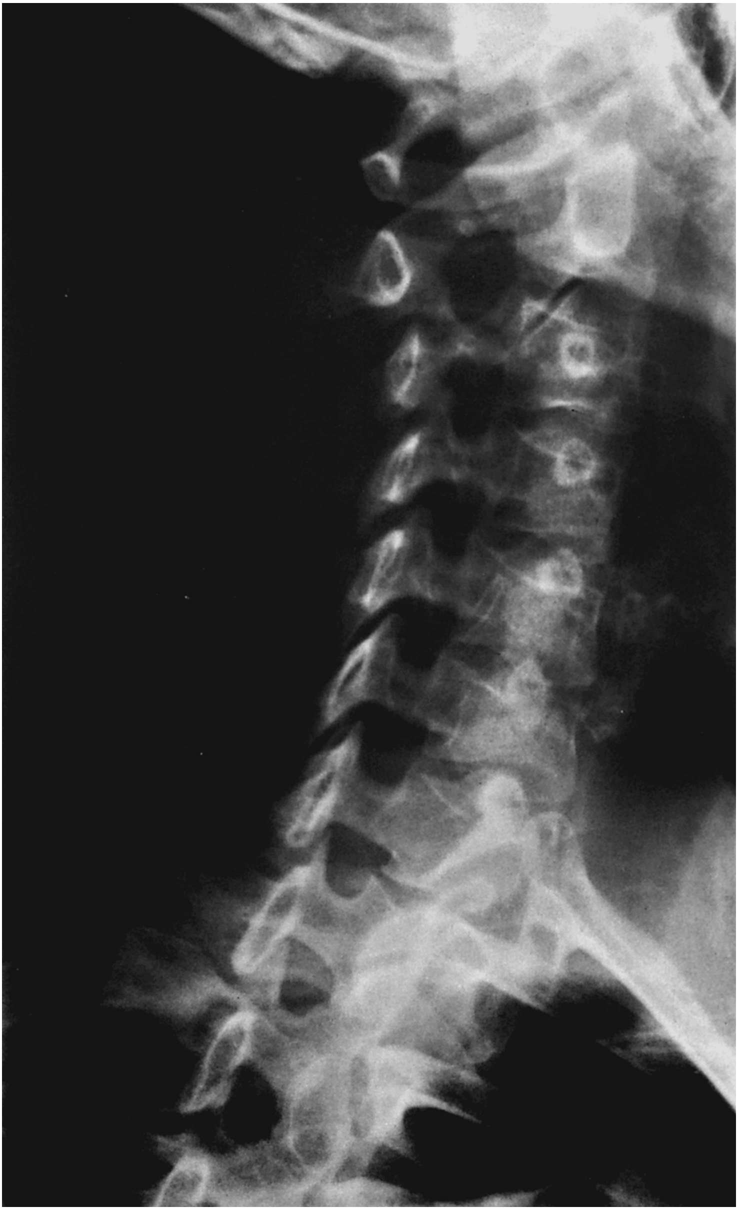


1	Foramen magnum	**10**	Uncovertebral joint
2	Atlantoaxial joint	**11**	Overlapping articular processes
3	Dens of the axis	**12**	Uncinate process
4	Occipital bone	**13**	Pedicle
5	Transverse process	**14**	Transverse process
6	Vertebral arch	**15**	Intervertebral disk space
7	Lateral mass of C1	**16**	Transverse process of T1
8	Atlantoaxial joint	**17**	Radiolucent band of the trachea
9	Spinous process (bifid)	**18**	First rib

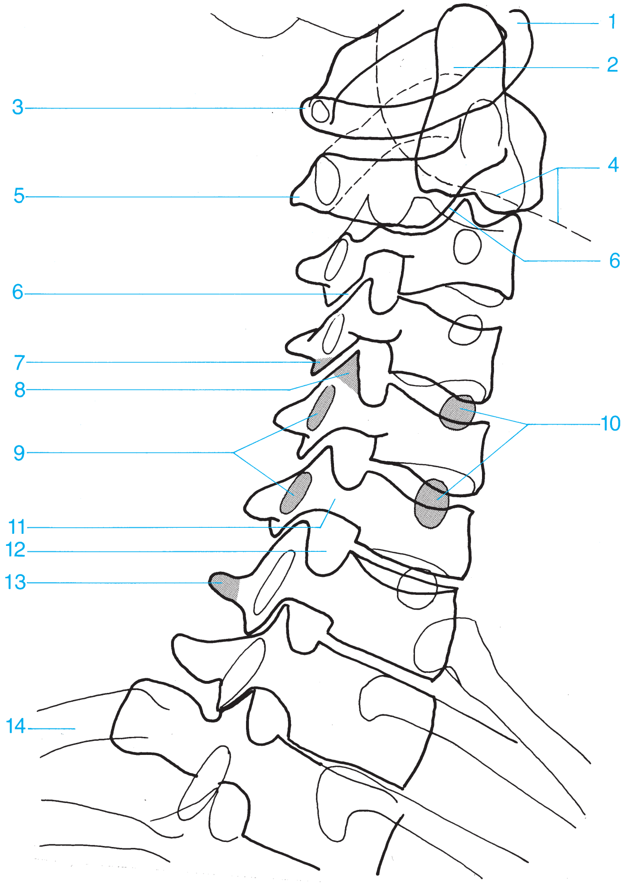




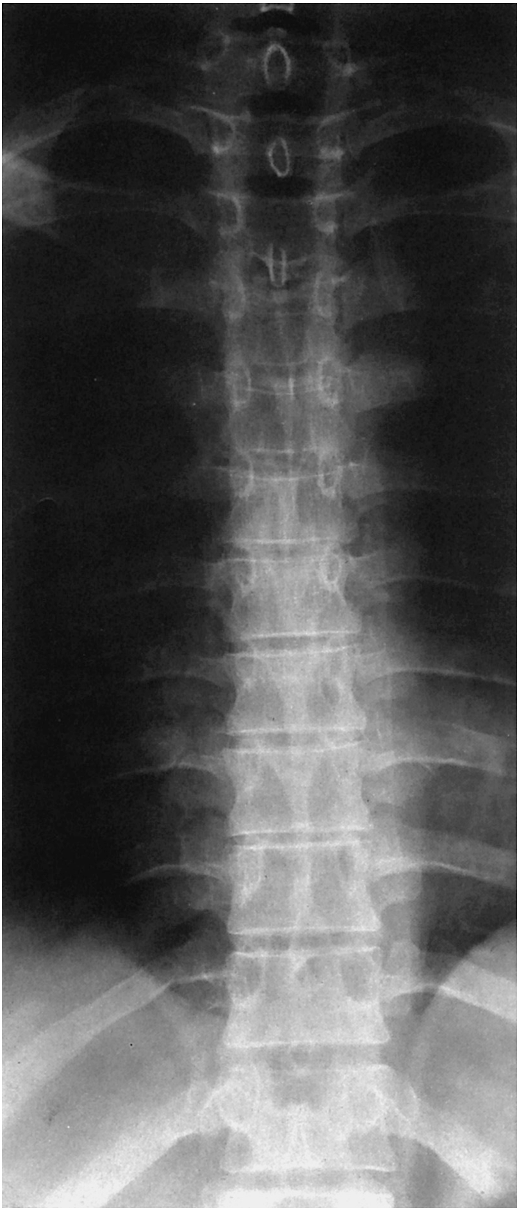
1	Anterior arch of the atlas	**11**	Superior articular facet
2	Base of the skull	**12**	Inferior articular facet
3	Odontoid process	**13**	Superior vertebral end plate
4	Posterior arch of the atlas	**14**	Inferior vertebral end plate
5	Mandible	**15**	Intervertebral facet joint
6	Spinous process	**16**	Intervertebral disk space
7	Body of the axis	**17**	Lamina
8	Anterior superior margin of the vertebra	**18**	Articular pillar
9	Transverse process	**19**	Spinous process
10	Anterior inferior margin of the vertebra	**20**	Trachea

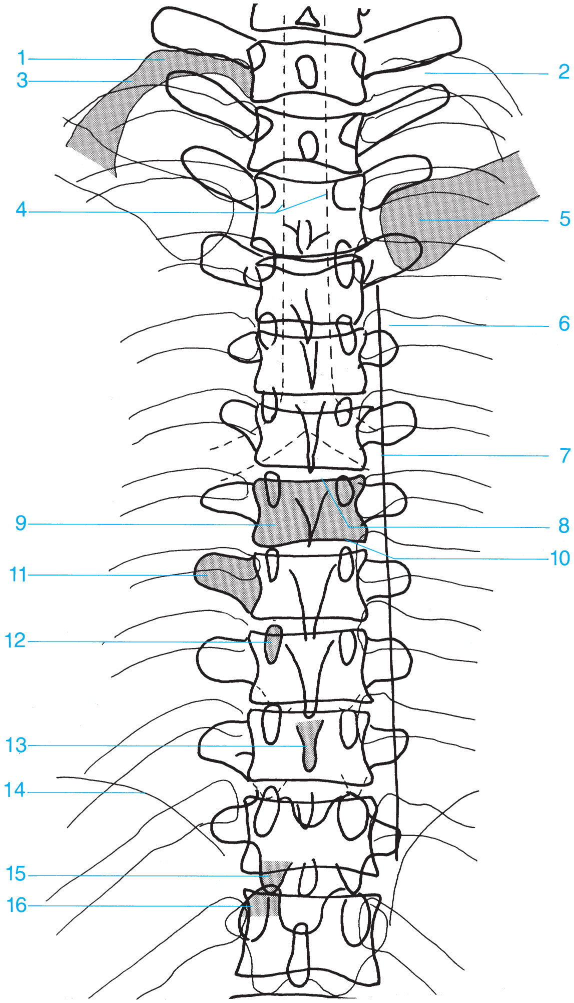


Oblique View of the Cervical Spine

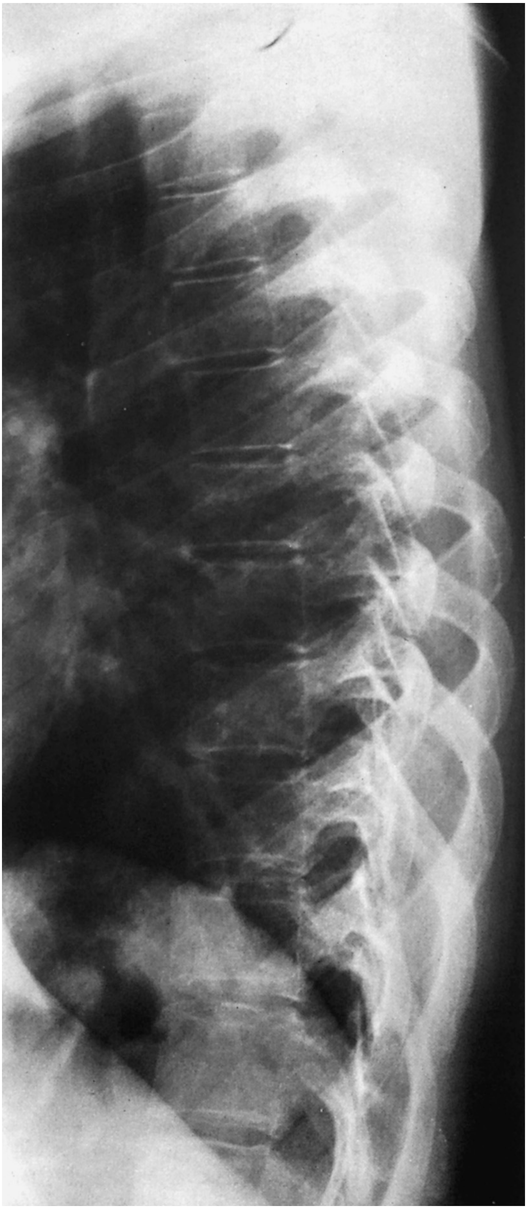


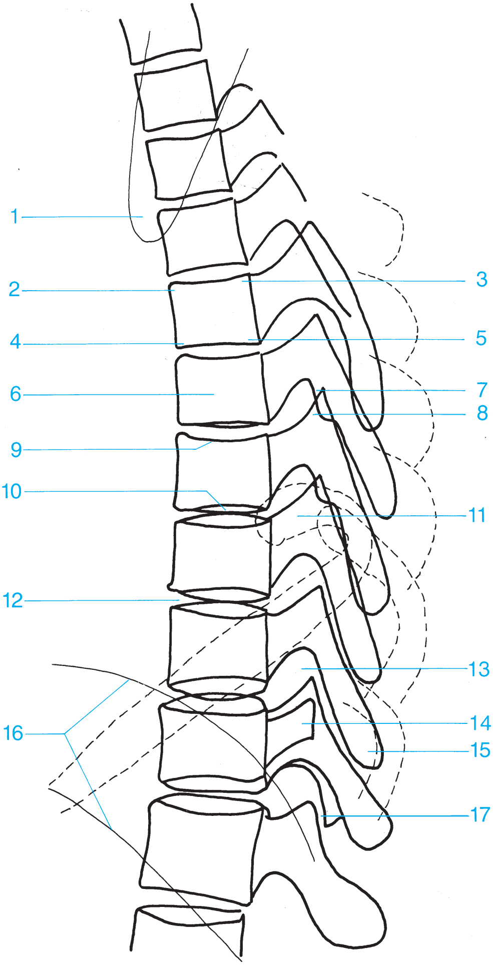
1	Anterior arch
2	Odontoid process
3	Atlas
4	Mandible
5	Body of C2
6	Facet joint
7	Inferior articular process
8	Superior articular process
9	Transverse process
10	Contralateral pedicle
11	Pedicle
12	Intervertebral foramen
13	Spinous process
14	Ribs



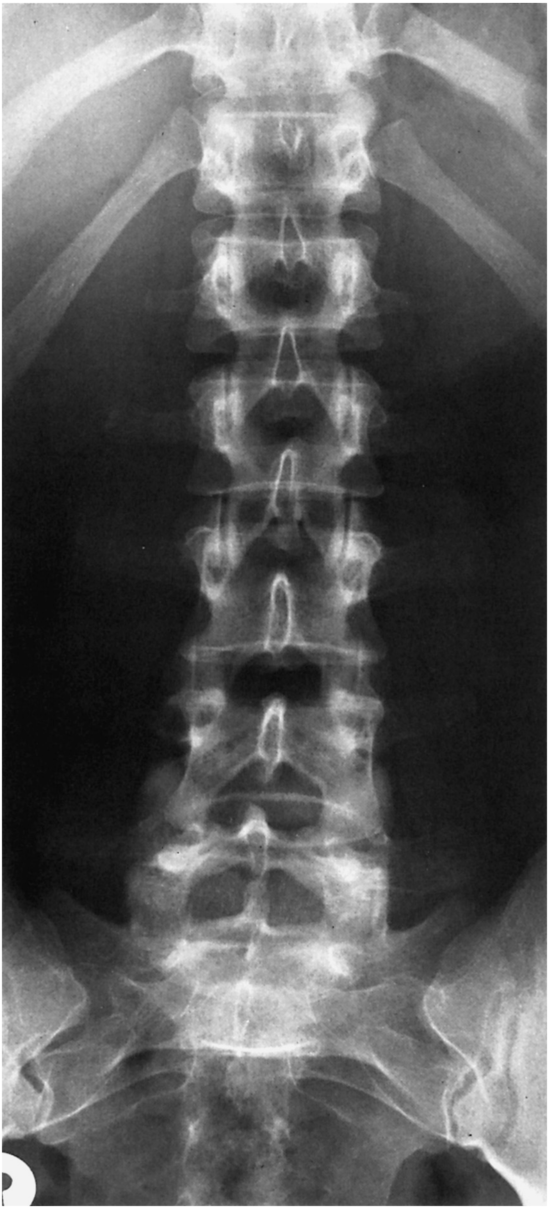


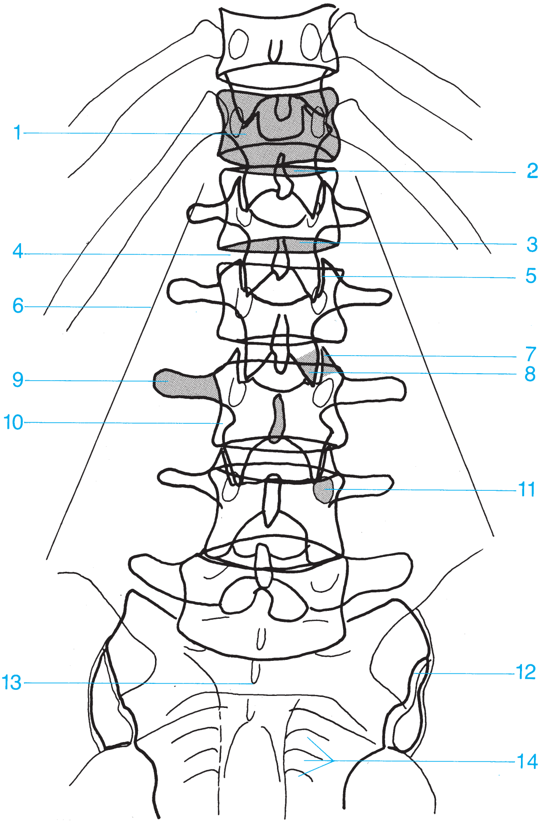
1	Tubercle of first rib	**9**	Body of vertebra
2	Neck of the rib	**10**	Inferior vertebral end plate
3	First rib	**11**	Transverse process
4	Trachea	**12**	Pedicle
5	Clavicle	**13**	Spinous process
6	Head of the rib	**14**	Diaphragm
7	Paravertebral line	**15**	Inferior articular process
8	Superior vertebral end plate	**16**	Superior articular process



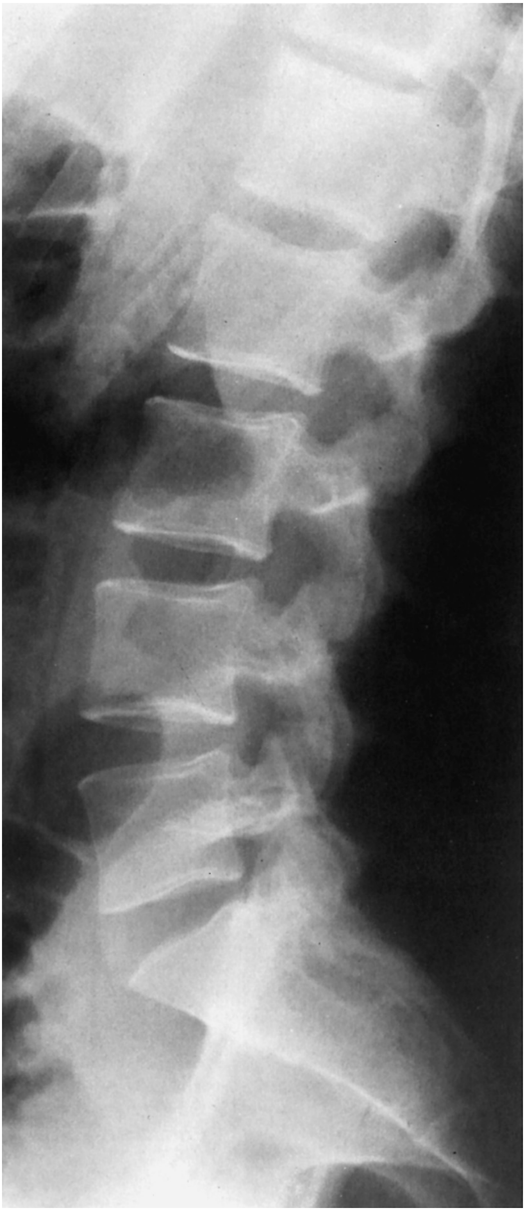


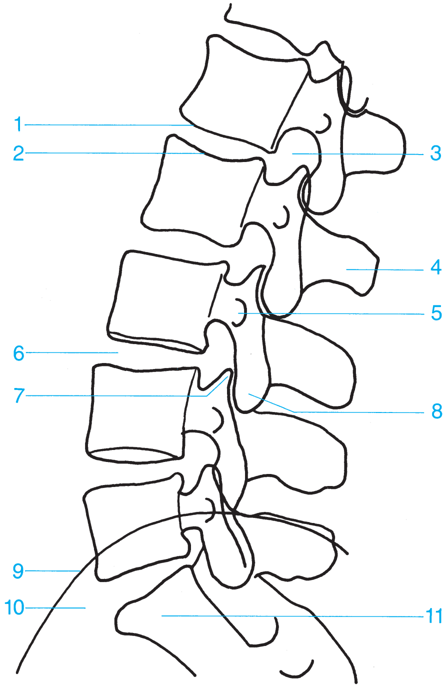
1	Scapula	**10**	Inferior vertebral end plate
2	Anterior superior margin	**11**	Head of the rib
3	Posterior superior margin	**12**	Intervertebral disk space
4	Anterior inferior margin	**13**	Intervertebral foramen
5	Posterior inferior margin	**14**	Transverse process
6	Body of vertebra	**15**	Spinous process
7	Superior articular process	**16**	Diaphragm
8	Inferior articular process	**17**	Facet joint
9	Superior vertebral end plate		



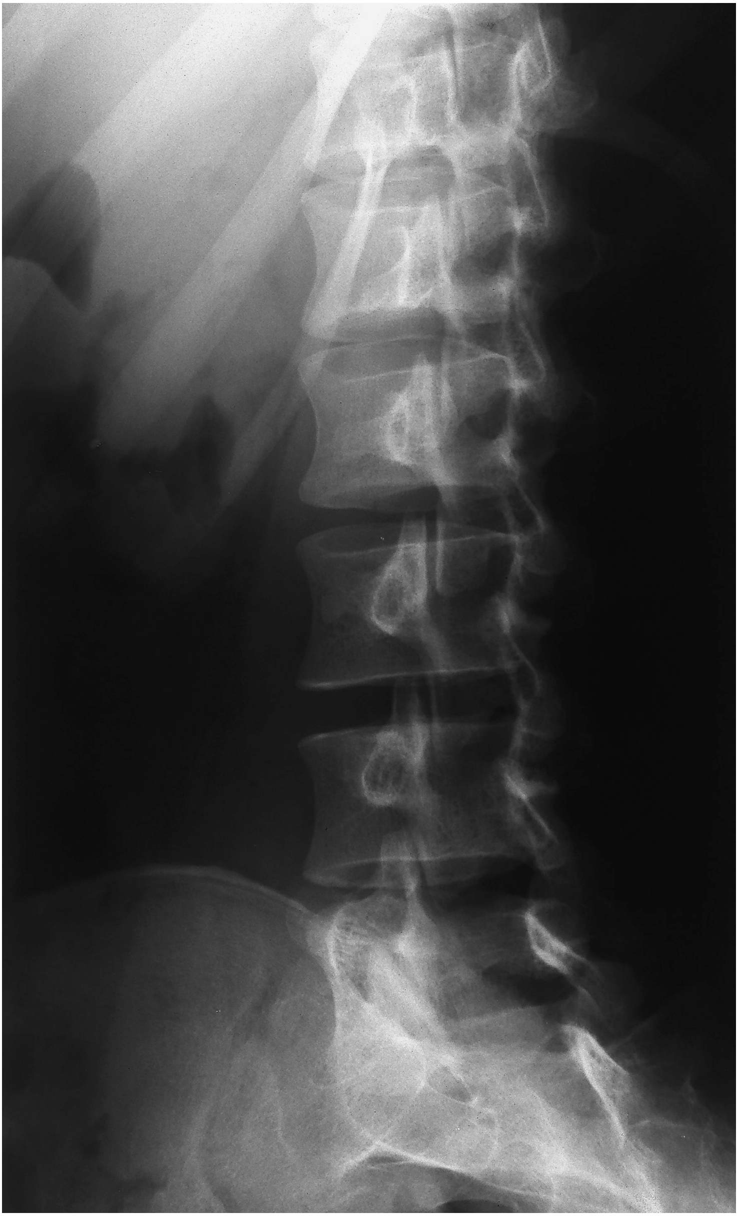


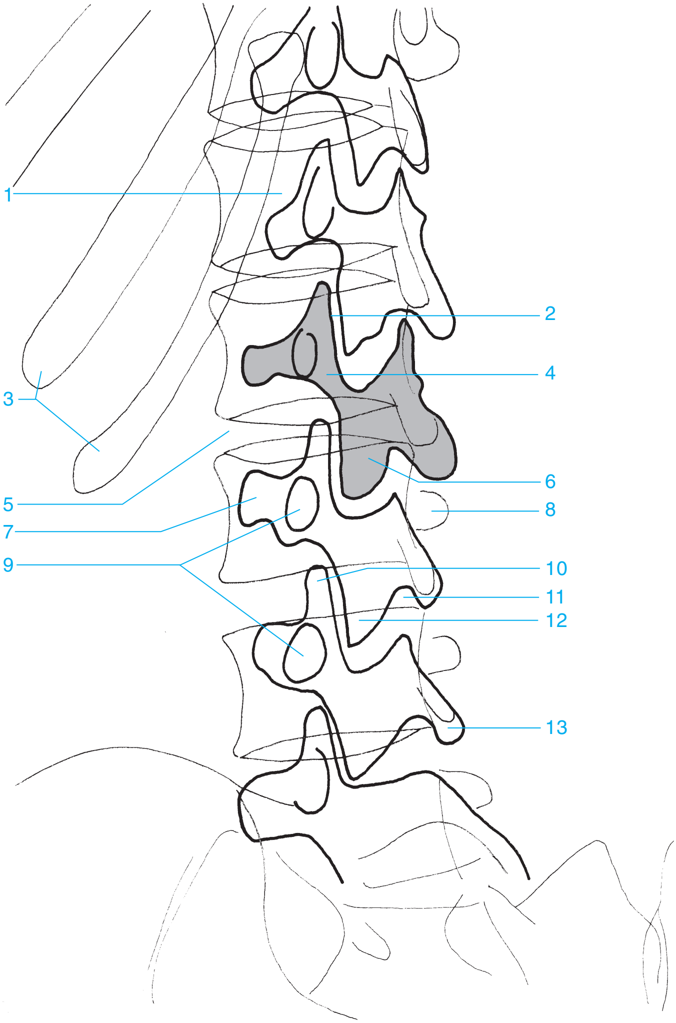
1	Body of vertebra	**8**	Inferior articular process
2	Superior vertebral end plate	**9**	Transverse process
3	Inferior vertebral end plate	**10**	Spinous process
4	Intervertebral disk space	**11**	Pedicle
5	Facet joint	**12**	Sacroiliac joint
6	Psoas	**13**	Sacrum
7	Superior articular process	**14**	Sacral foramina



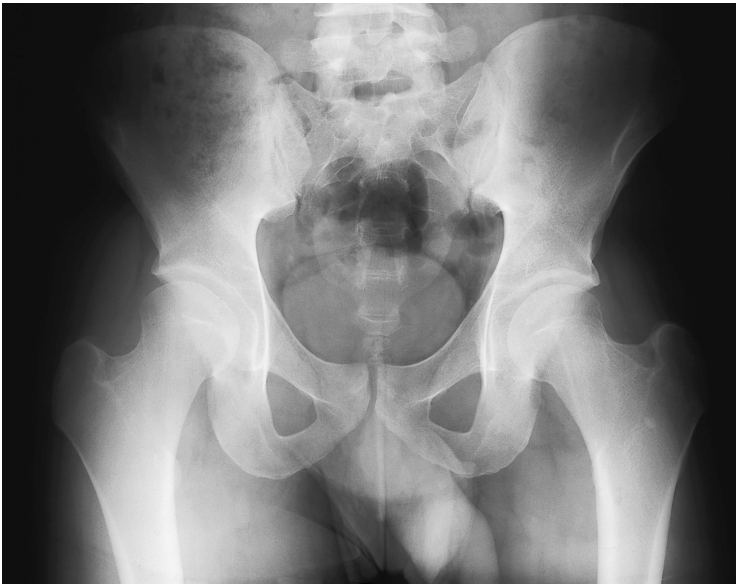


1	Superior vertebral end plate	**7**	Superior articular process
2	Inferior vertebral end plate	**8**	Inferior articular process
3	Intervertebral foramen	**9**	Iliac crest
4	Spinous process	**10**	Promontory
5	Transverse process	**11**	Sacrum
6	Intervertebral disk space		

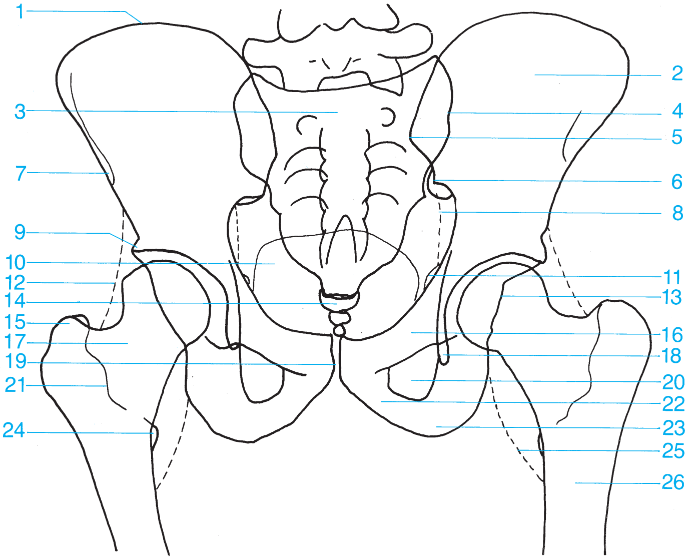




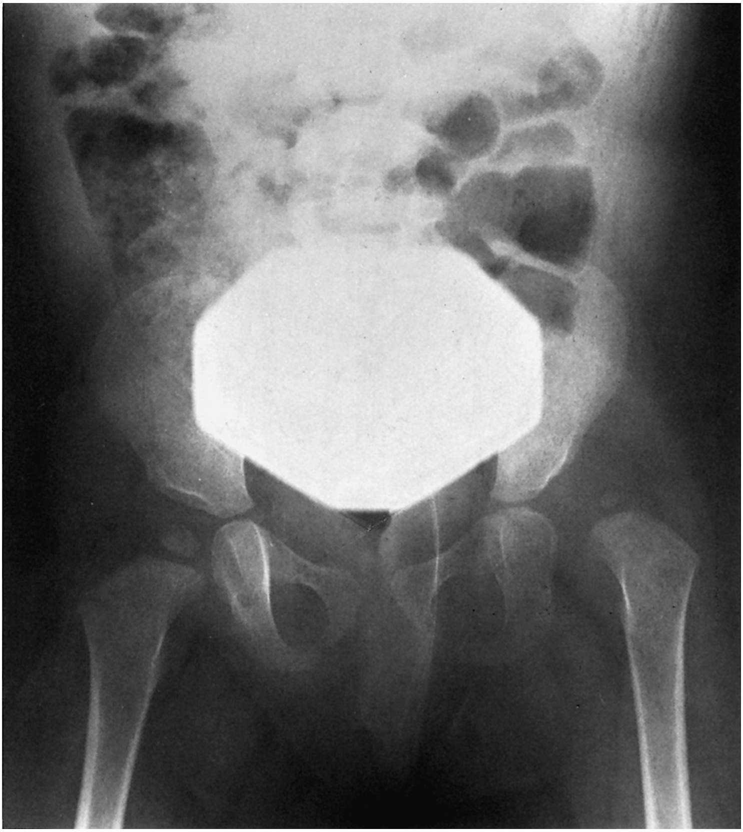
1	Body of vertebra	**8**	Contralateral transverse process
2	Intervertebral disk space	**9**	Pedicle
3	Ribs	**10**	Superior articular process
4	Interarticular part	**11**	Intervertebral foramen
5	Intervertebral disk space	**12**	Inferior articular process
6	Lamina	**13**	Spinous process
7	Ipsilateral transverse process		



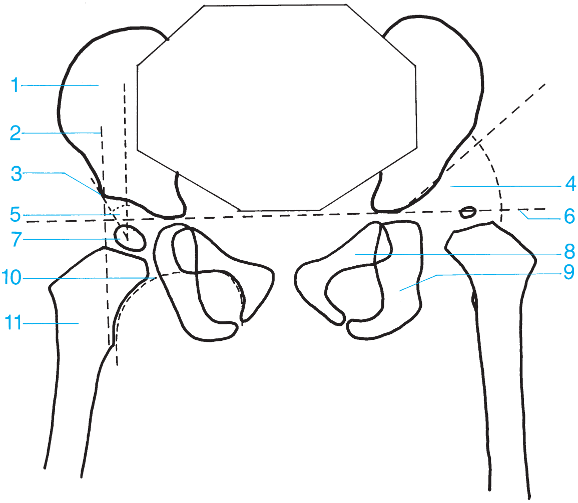
Anterior-Posterior View of the Pelvis



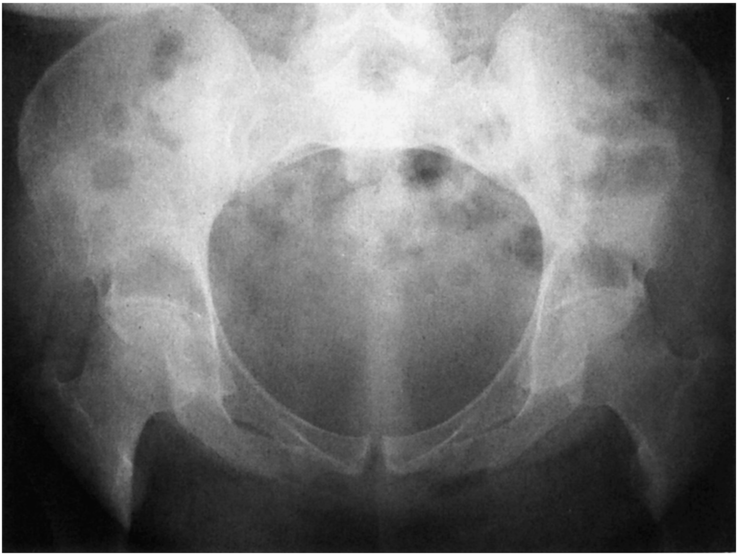
1	Iliac crest
2	Iliac wing
3	Sacrum
4	Sacroiliac joint
5	Posterior superior iliac spine
6	Posterior inferior iliac spine
7	Anterior superior iliac spine
8	Obturator internus
9	Acetabular convexity (promontory)
10	Urinary bladder
11	Spine of the ischium
12	Fat stripe medial to the gluteus minimus
13	Posterior acetabular rim
14	Coccyx
15	Greater trochanter
16	Superior pubic ramus
17	Femoral neck
18	Acetabular teardrop
19	Pubic symphysis
20	Obturator foramen
21	Intertrochanteric crest
22	Inferior pubic ramus
23	Ischial tuberosity
24	Lesser trochanter
25	Fat stripe medial to the iliopsoas
26	Femur

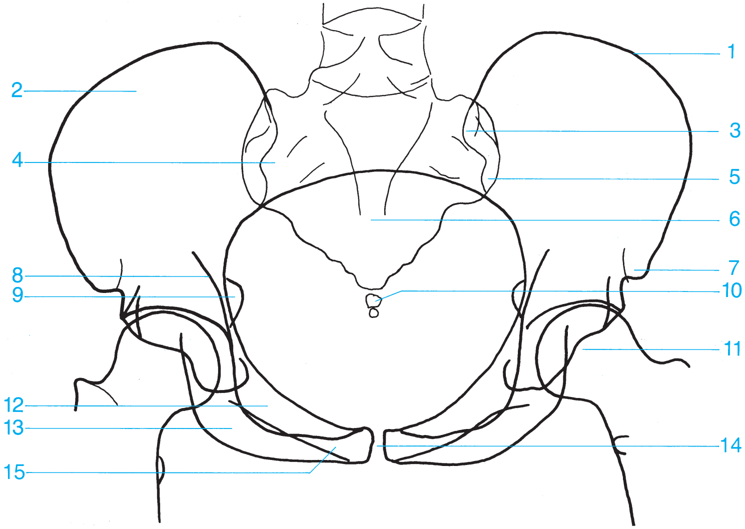


Anterior-Posterior View of the Pelvis in a Child

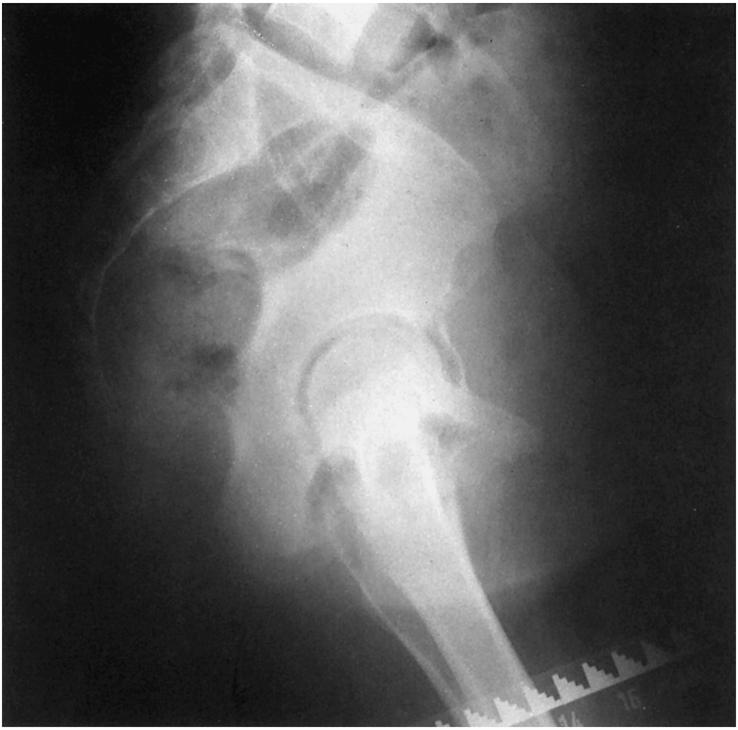


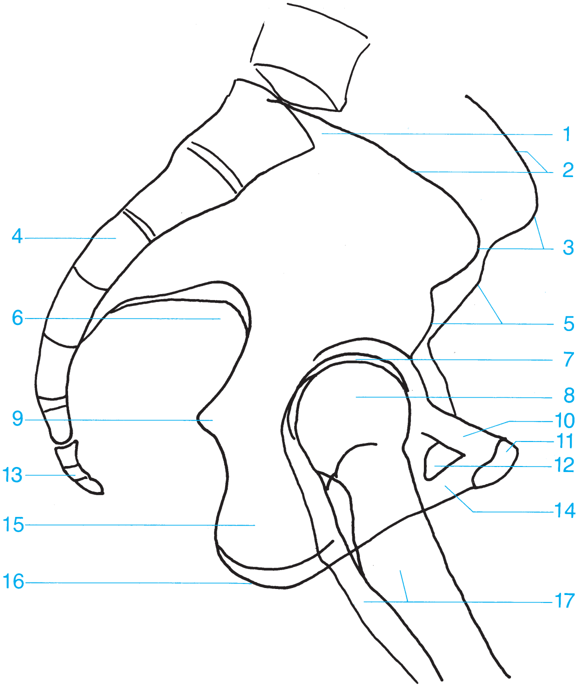
1 Ilium
2 Perkin's line (vertical line from the roof of the acetabulum intersecting Hilgenreiner's line)
3 Acetabular convexity (promontory)
4 Angle of acetabular inclination
5 Wiberg's center-to-corner angle (the angle between a vertical line drawn from the center of the epiphysis and a line drawn from the roof of the acetabulum to the center of the epiphysis)
6 Hilgenreiner's line (triradiate cartilage line)
7 Femoral epiphysis
8 Pubic bone
9 Ischium
10 Shenton's line (curved line formed by the superior curve of the obturator foramen and the femoral neck)
11 Femur



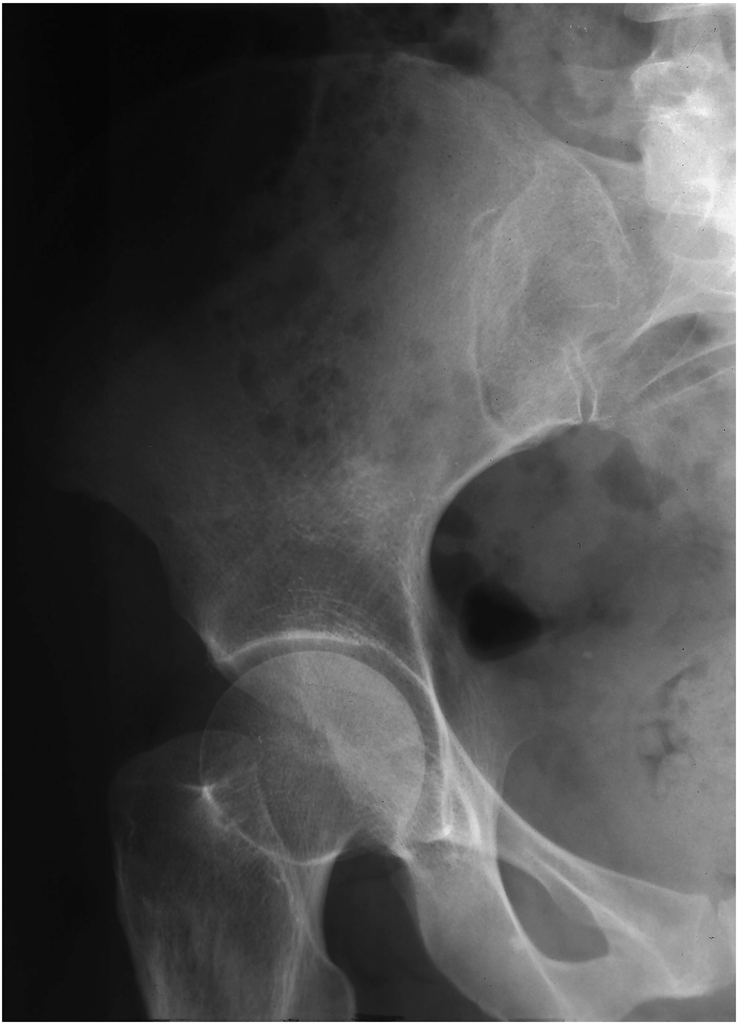


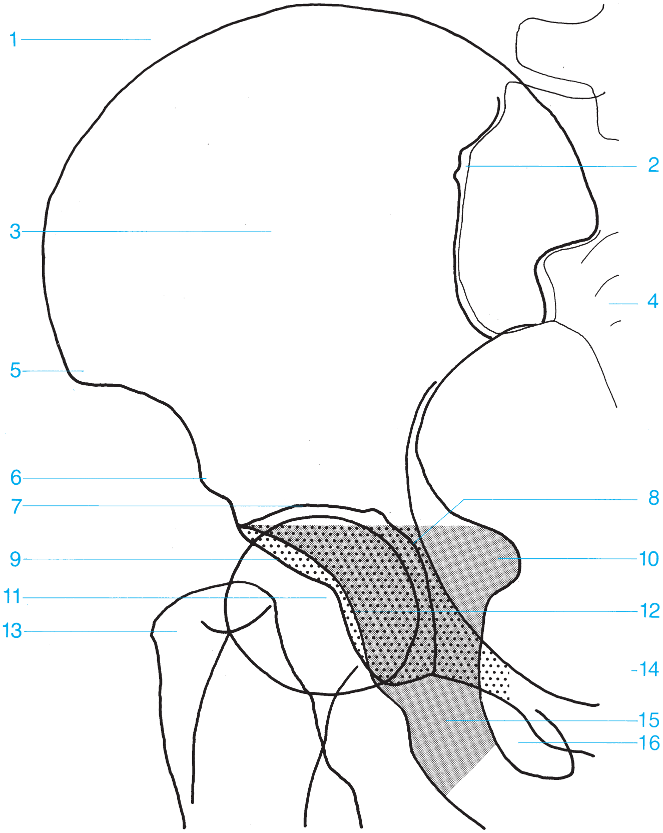
1	Iliac crest	**9**	Spine of the ischium
2	Iliac wing	**10**	Coccyx
3	Posterior superior iliac spine	**11**	Femoral head
4	Sacral ala	**12**	Superior pubic ramus
5	Posterior inferior iliac spine	**13**	Ischial tuberosity
6	Sacrum	**14**	Pubic symphysis
7	Anterior superior iliac spine	**15**	Inferior pubic ramus
8	Iliopubic line		



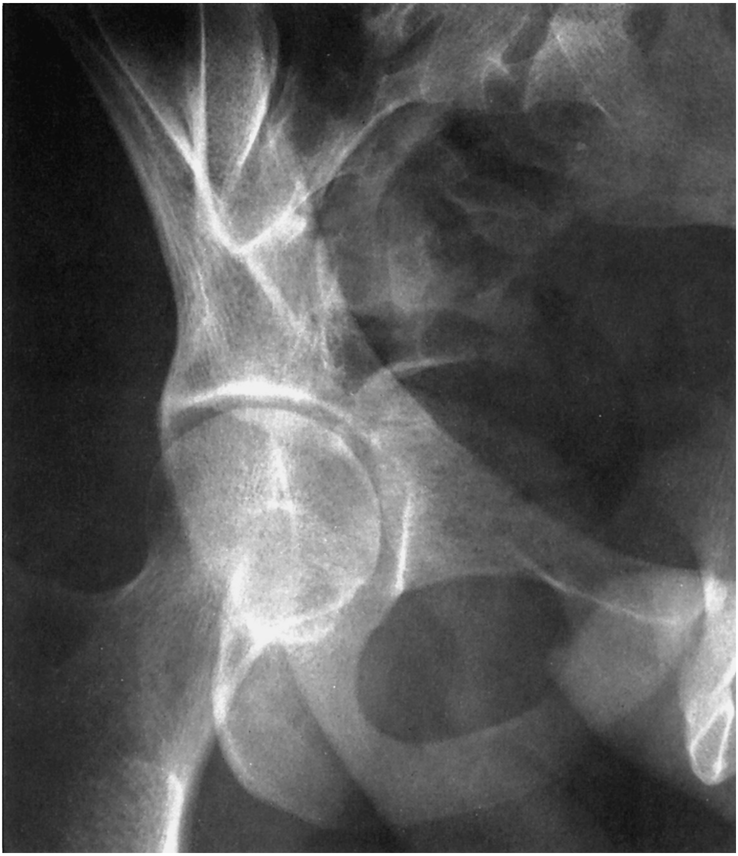


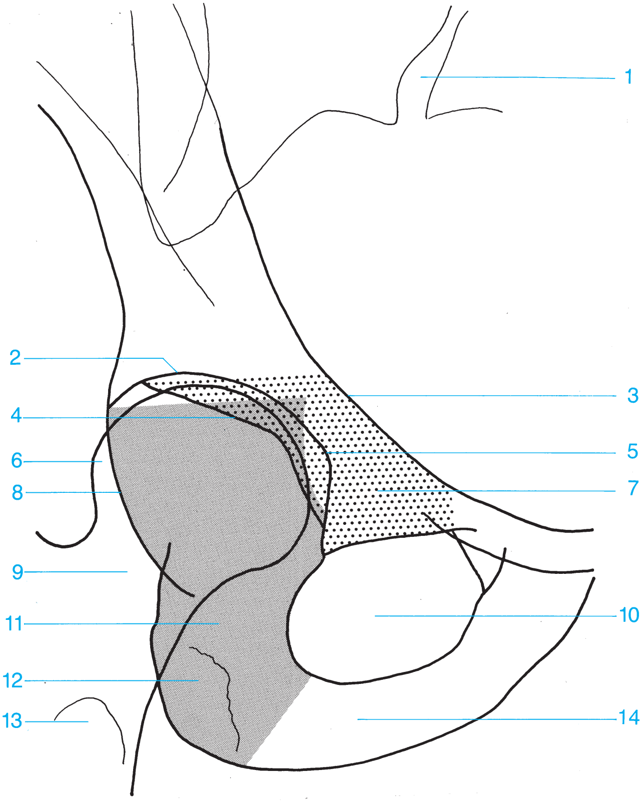
1	Promontory
2	Iliac crest
3	Anterior superior iliac spine
4	Sacrum
5	Anterior inferior iliac spine
6	Greater sciatic notch
7	Joint space of the hip
8	Femoral head
9	Spine of the ischium
10	Superior pubic ramus
11	Pubic symphysis
12	Obturator foramen
13	Coccyx
14	Inferior pubic ramus
15	Body of the ischium
16	Ischial tuberosity
17	Femur



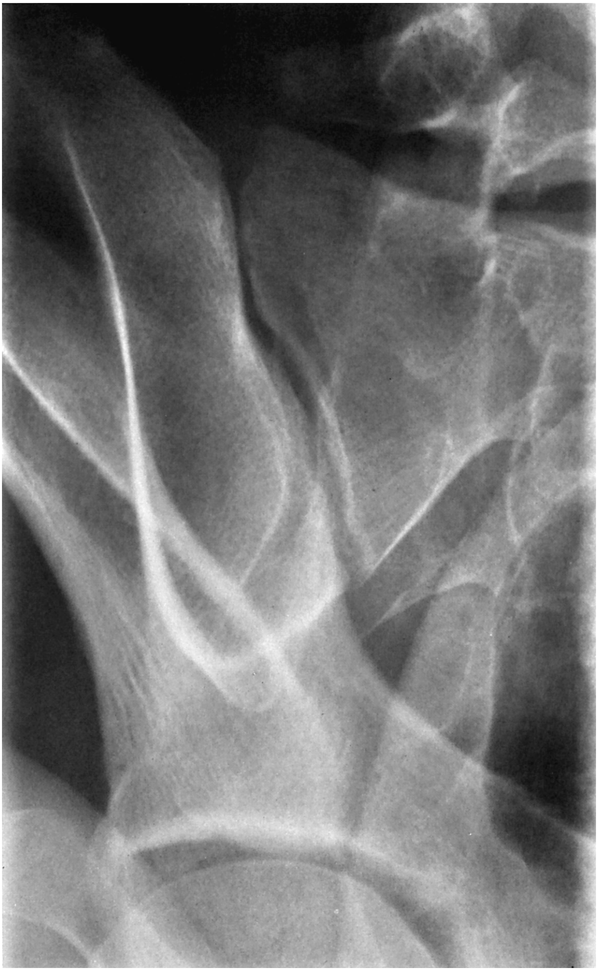


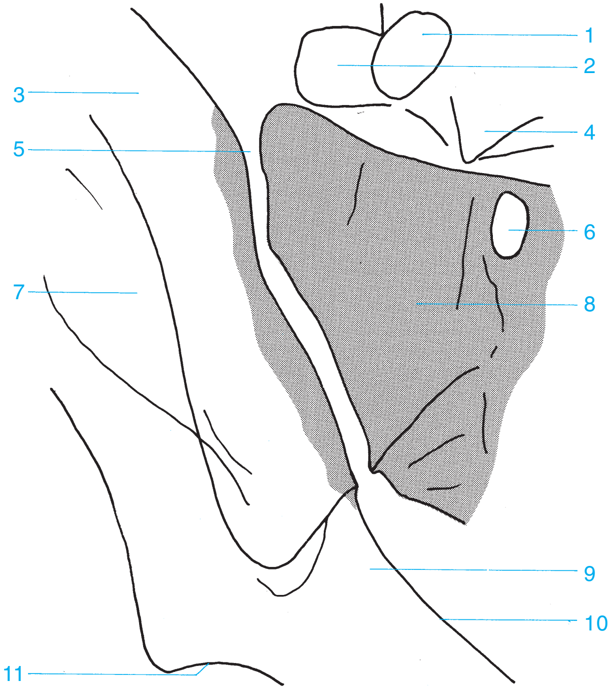
1	Iliac crest	**9**	Anterior acetabular rim
2	Sacroiliac joint	**10**	Spine of the ischium
3	Iliac wing	**11**	Femoral head
4	Sacrum	**12**	Posterior acetabular rim
5	Anterior superior iliac spine	**13**	Greater trochanter
6	Anterior inferior iliac spine	**14**	Pubic bone (anterior column)
7	Roof of the acetabulum	**15**	Ischium (posterior column)
8	Floor of the acetabulum	**16**	Obturator foramen



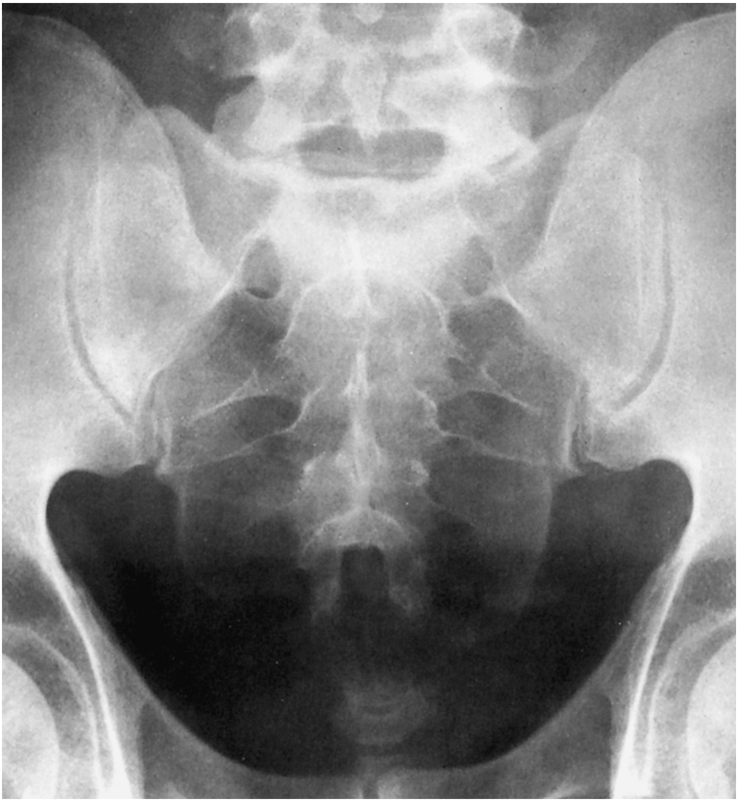


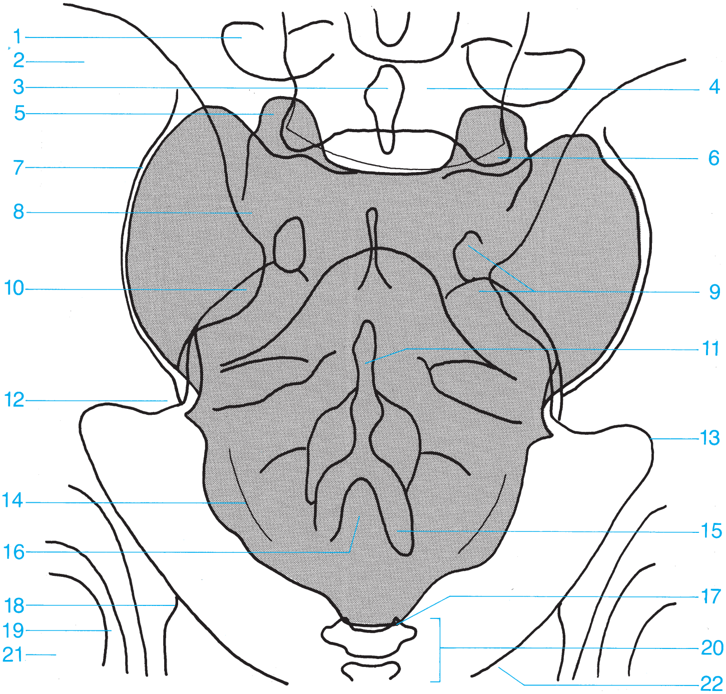
1	Sacroiliac joint	**8**	Posterior acetabular rim
2	Roof of the acetabulum	**9**	Femoral neck
3	Iliopectineal line	**10**	Obturator foramen
4	Anterior acetabular rim	**11**	Ischium (posterior column)
5	Anterior acetabular floor	**12**	Ischial tuberosity
6	Femoral head	**13**	Lesser trochanter
7	Pubic bone (anterior column)	**14**	Inferior pubic ramus



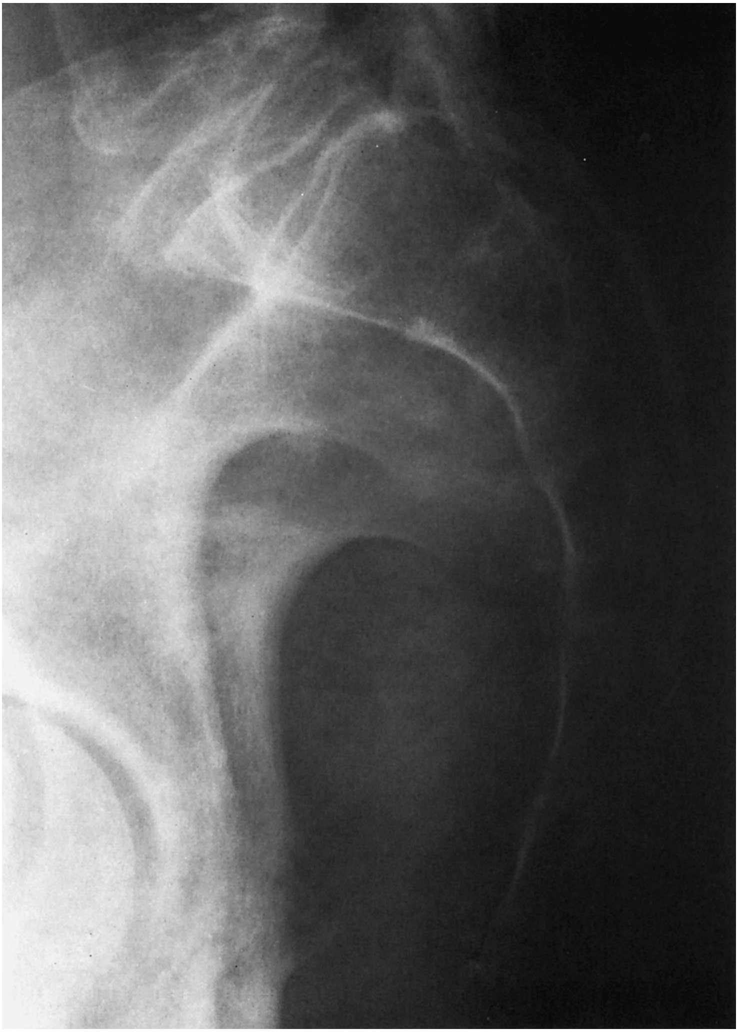


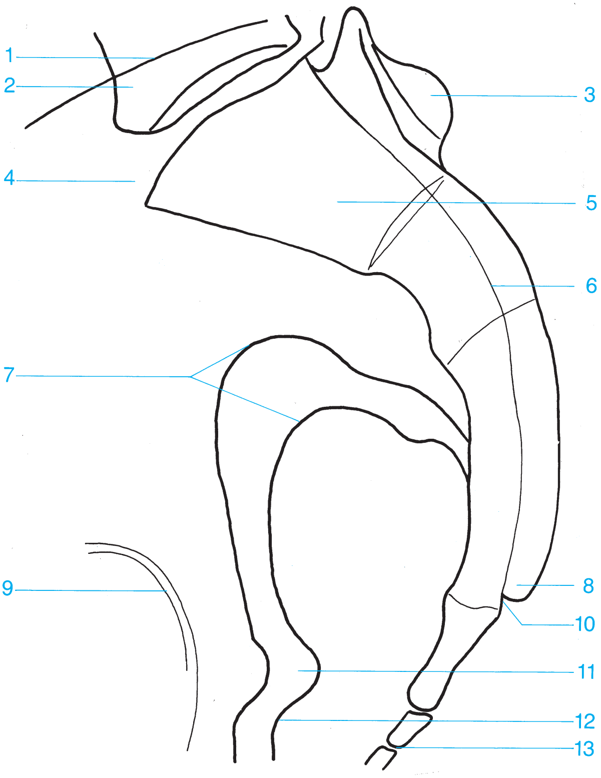
1	Pedicle of L5	**7**	Iliac wing
2	Transverse process of L5	**8**	Lateral part of the sacrum
3	Iliac wing	**9**	Ilium
4	Body of vertebra L5	**10**	Arcuate line
5	Sacroiliac joint	**11**	Roof of the acetabulum
6	Sacral foramen		



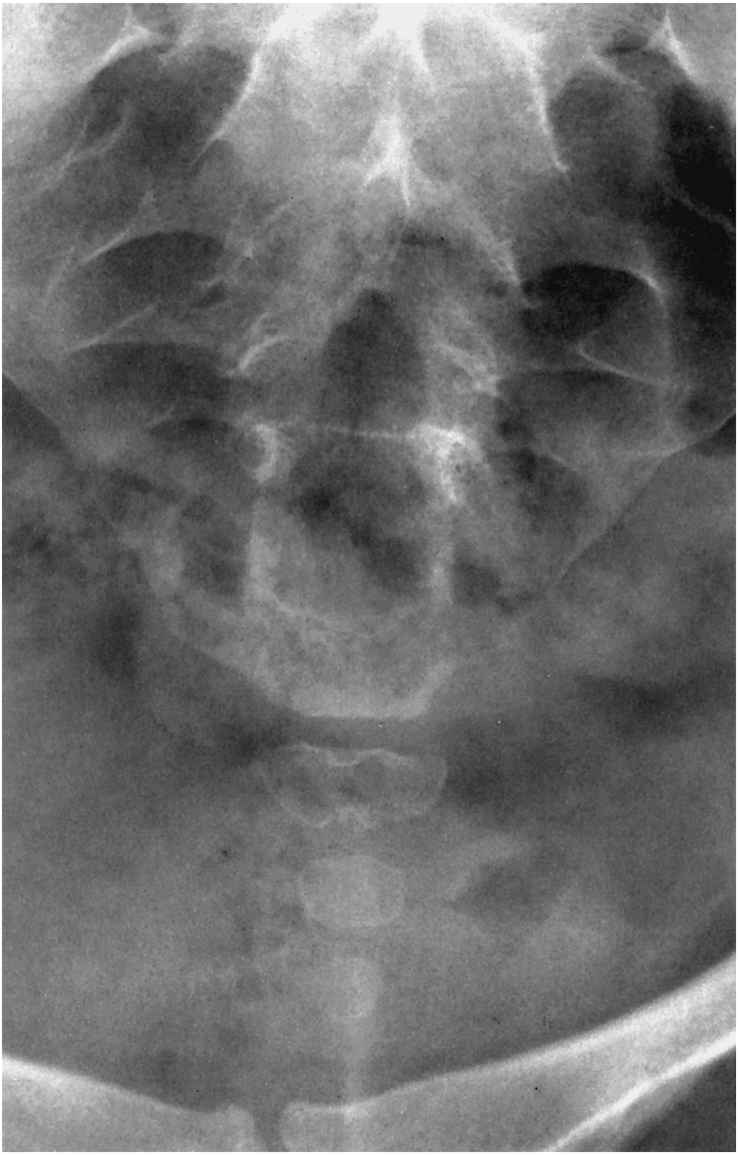


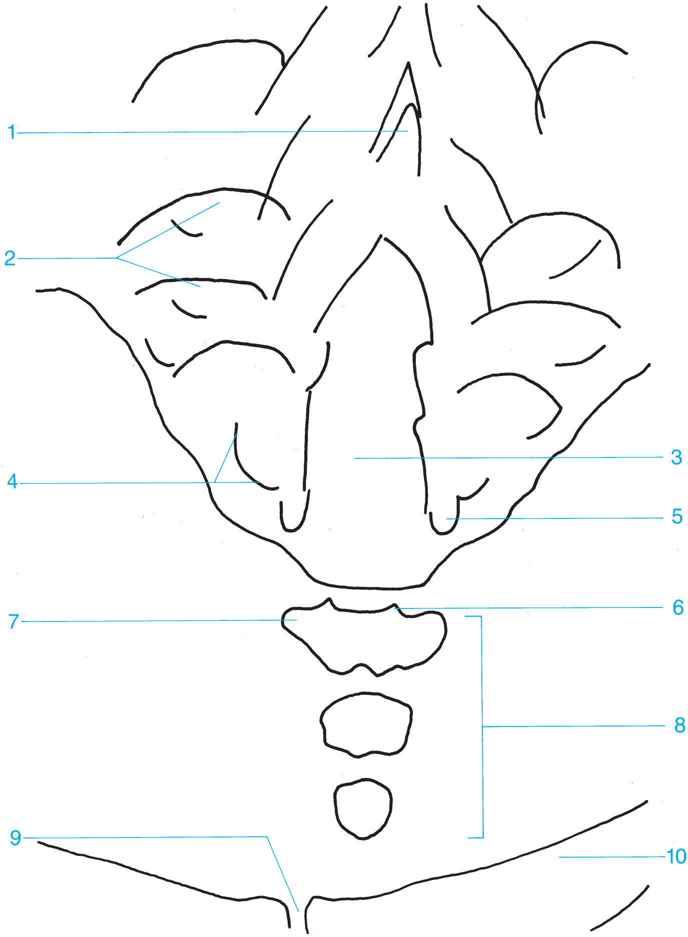
1	Transverse process	**12**	Posterior inferior iliac spine
2	Iliac wing	**13**	Greater sciatic notch
3	Spinous process	**14**	Lateral sacral crest
4	L5	**15**	Cornu of the sacrum
5	Superior articular process	**16**	Sacral hiatus
6	Inferior articular process of L5	**17**	Cornu of the coccyx
7	Sacroiliac joint	**18**	Spine of the ischium
8	Sacral ala	**19**	Hip
9	Sacral foramina	**20**	Coccyx
10	Posterior superior iliac spine	**21**	Femoral head
11	Median sacral crest	**22**	Superior pubic ramus



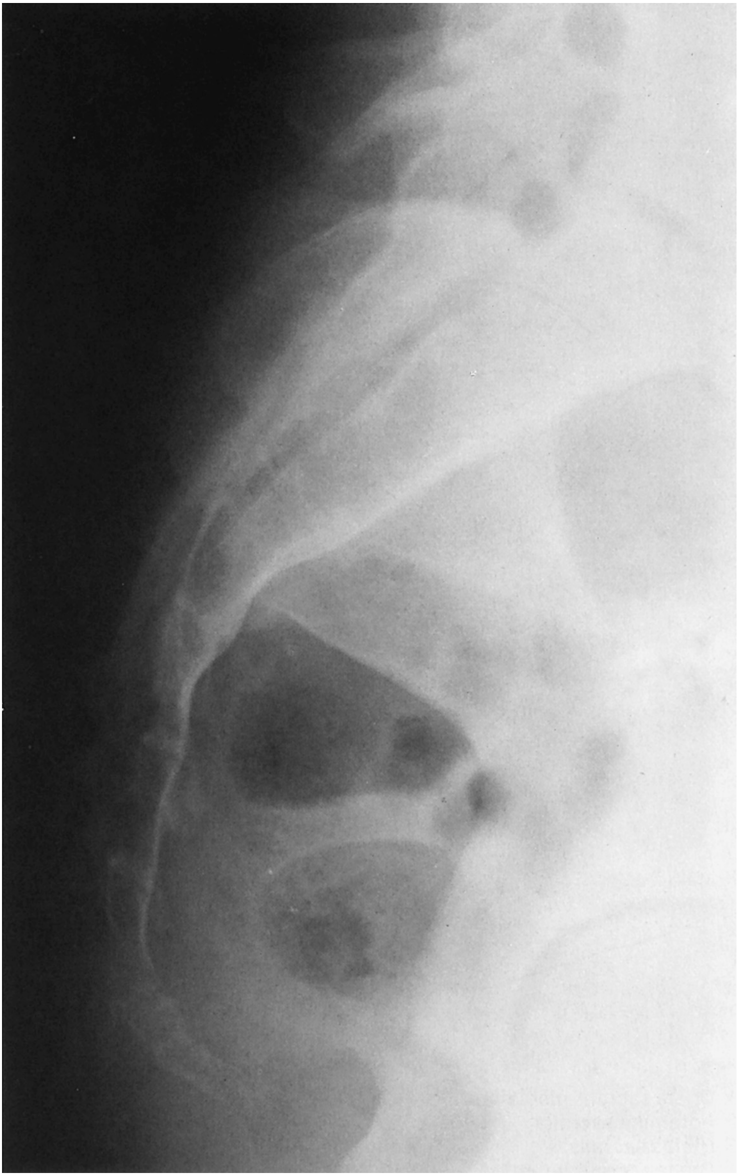


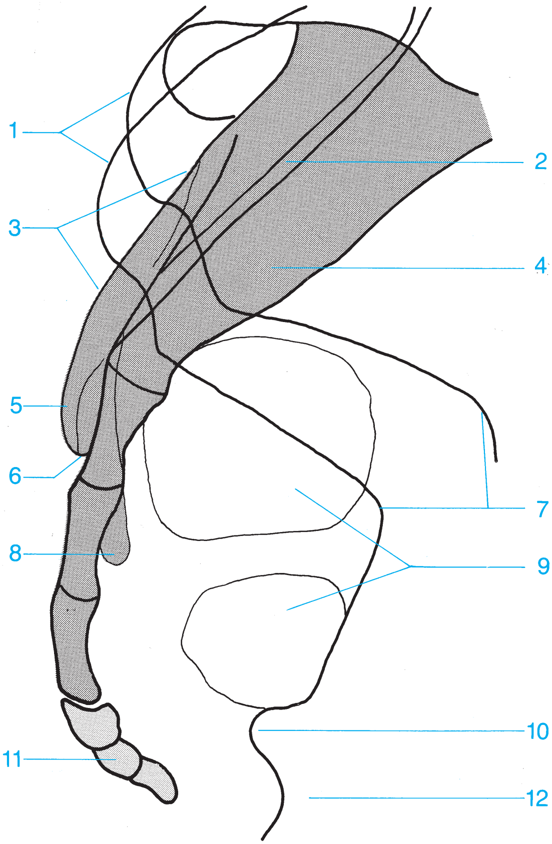
1	Iliac crest	**8**	Cornu of the sacrum
2	L5	**9**	Hip
3	Median sacral crest	**10**	Sacral canal
4	Promontory	**11**	Spine of the ischium
5	Sacrum	**12**	Lesser sciatic notch
6	Sacral canal	**13**	Coccyx
7	Greater sciatic notch		



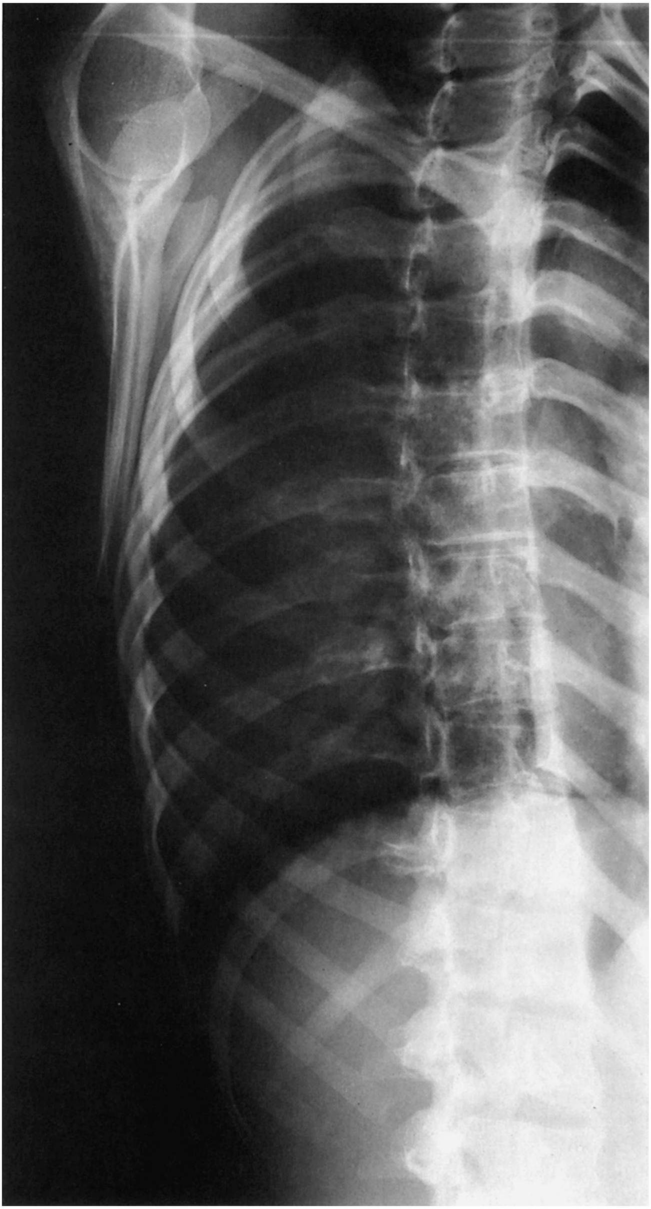


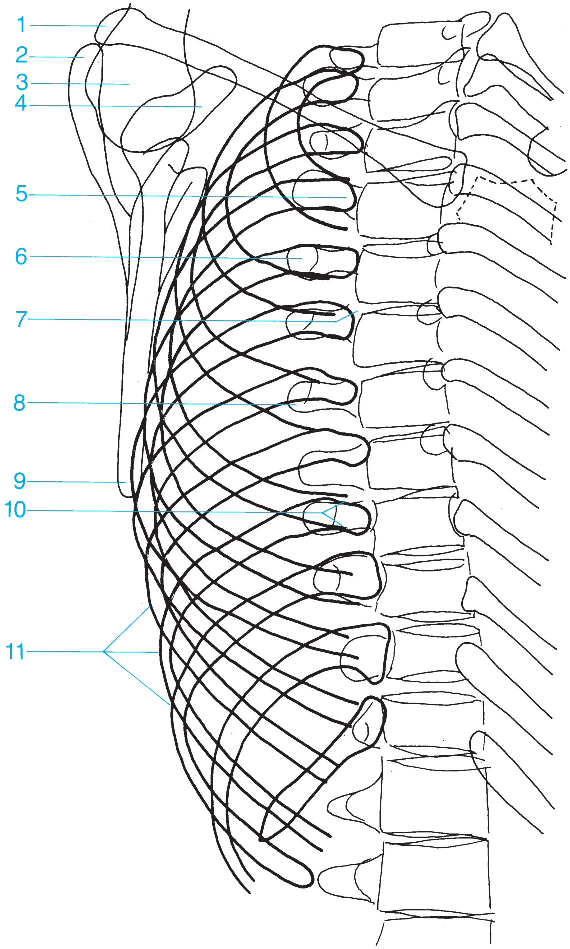
1	Median sacral crest	**6**	Cornu of the coccyx
2	Sacral foramina	**7**	Transverse process
3	Sacral hiatus	**8**	Coccyx
4	Lateral sacral crest	**9**	Pubic symphysis
5	Cornu of the sacrum	**10**	Superior pubic ramus



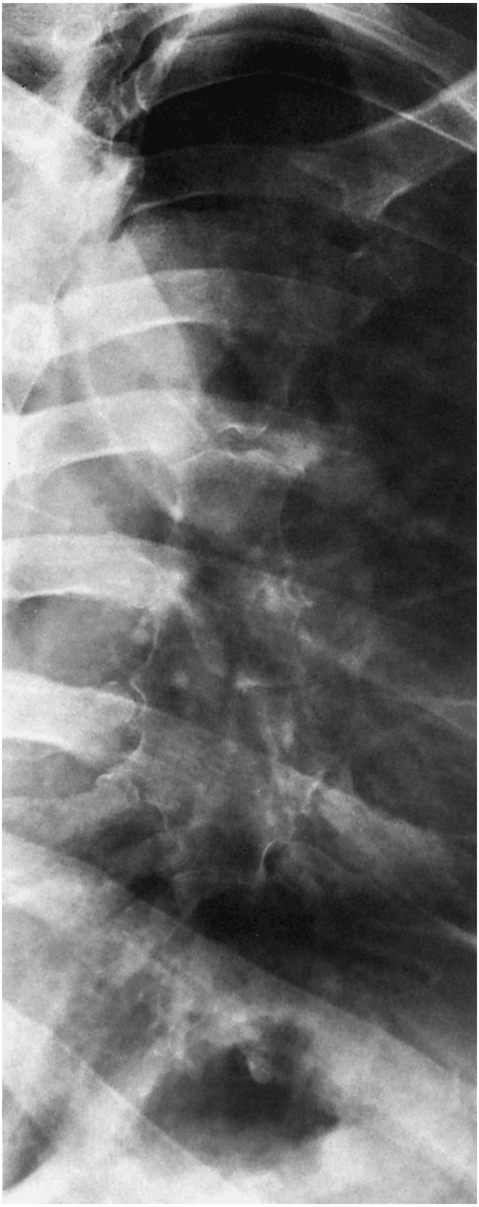


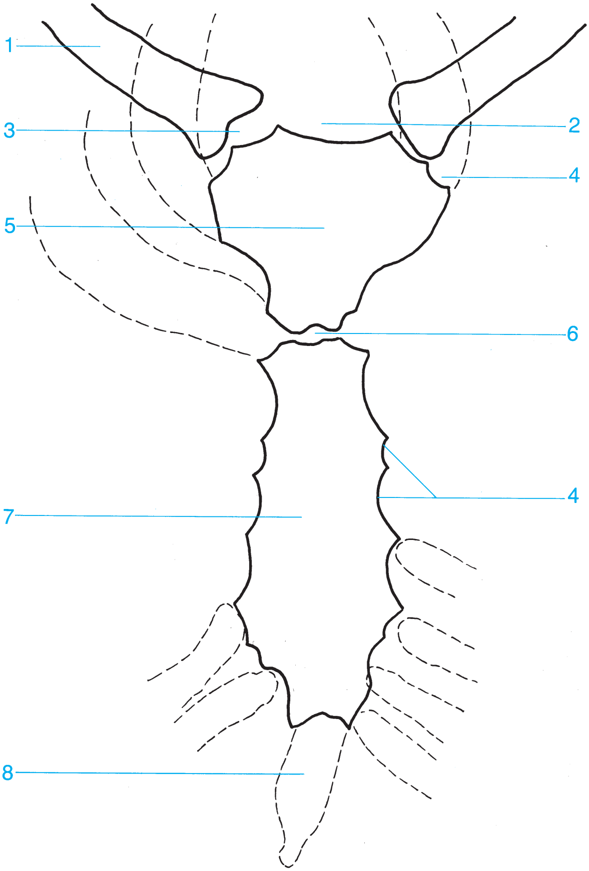
1	Iliac crest	**7**	Greater sciatic notch
2	Sacral canal	**8**	Lateral sacral crest
3	Median sacral crest	**9**	Rectal gas
4	Sacrum	**10**	Spine of the ischium
5	Cornu of the sacrum	**11**	Coccyx
6	Sacral canal	**12**	Ischium



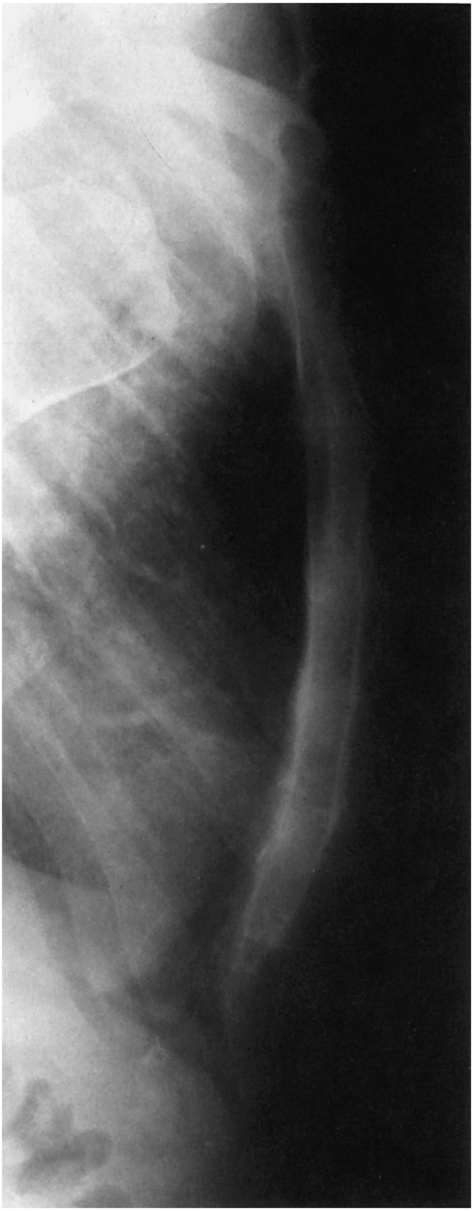


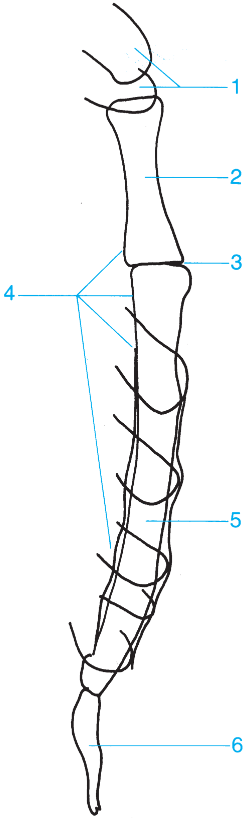
1	Clavicle (distal end)	**7**	Costovertebral articulation
2	Acromion	**8**	Transverse process
3	Humeral head	**9**	Inferior angle of the scapula
4	Coracoid process	**10**	Neck of the rib
5	Head of the rib	**11**	Costal arch
6	Costotransverse joint		



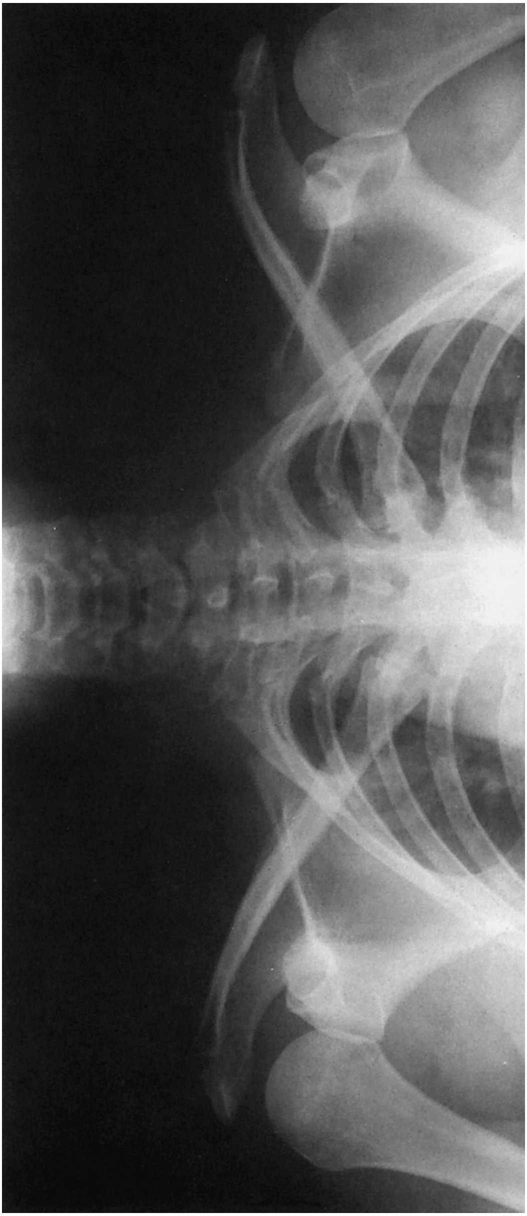


1	Clavicle	**5**	Manubrium of the sternum
2	Sternal notch	**6**	Sternal angle
3	Sternoclavicular joint	**7**	Body of the sternum
4	Costal notch	**8**	Xiphoid process

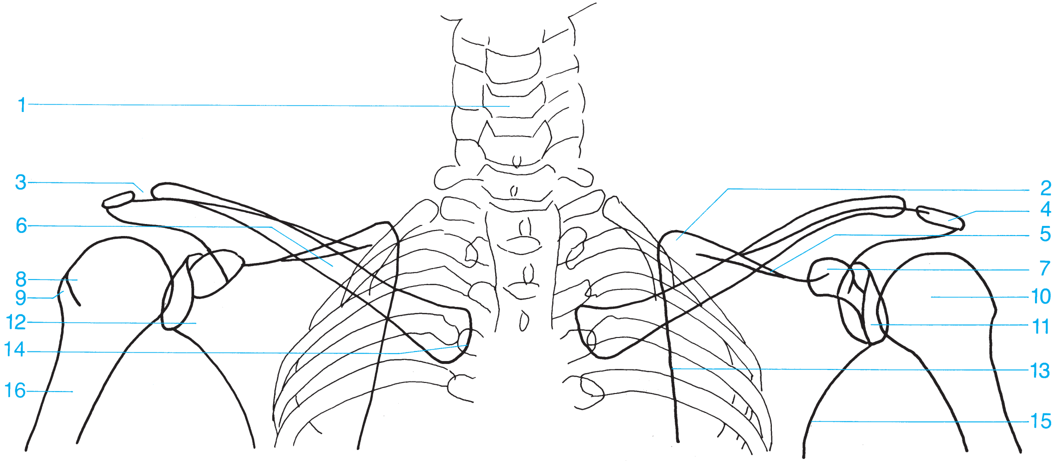


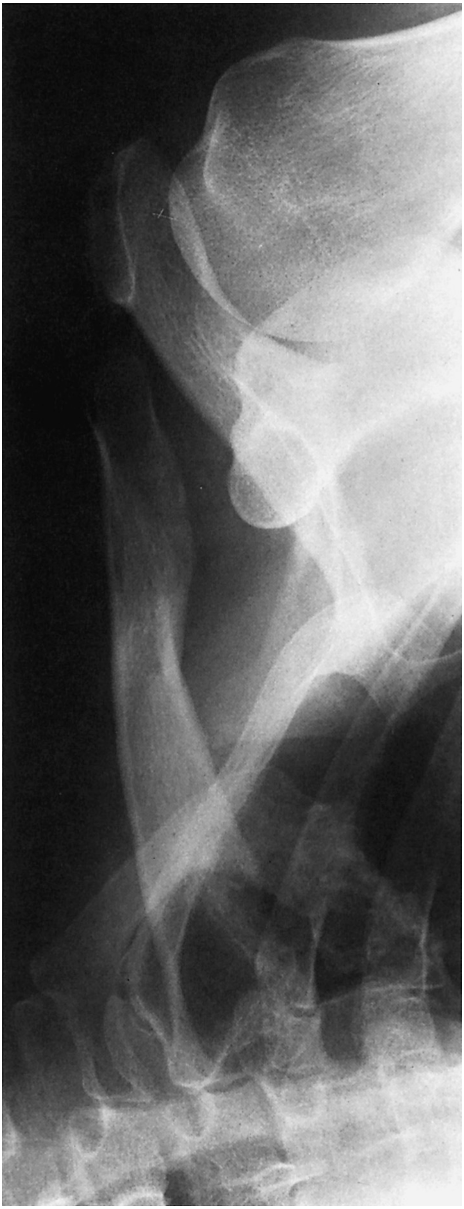


1	Clavicles	**4**	Retrosternal space
2	Manubrium of the sternum	**5**	Body of the sternum
3	Sternal angle	**6**	Xiphoid process

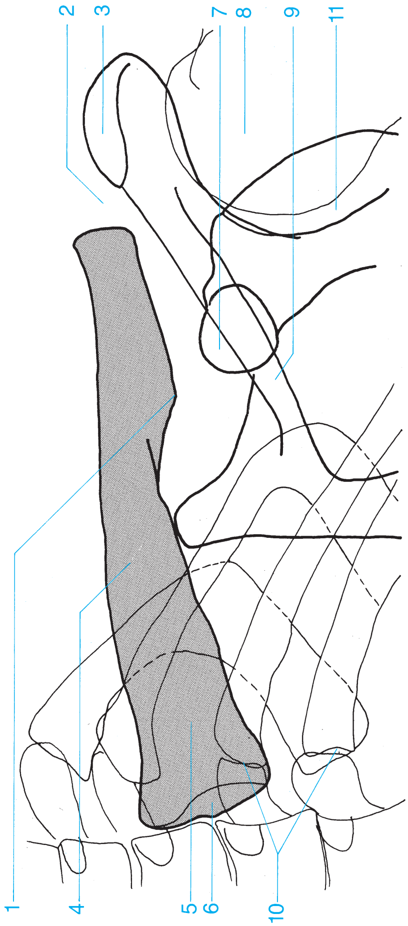


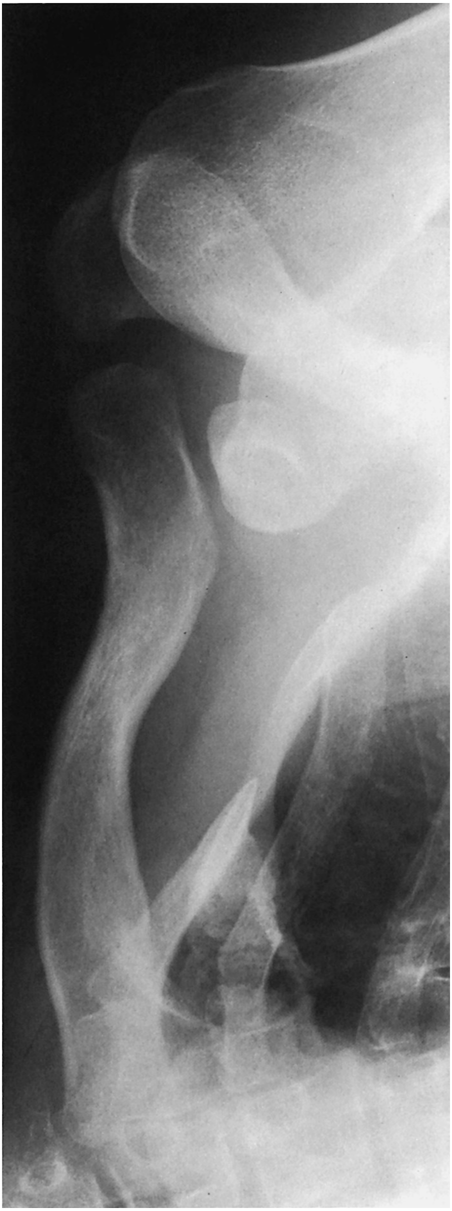
1	Cervical spine	**7**	Coracoid	**12**	Glenoid process of the scapula
2	Superior angle of the scapula	**8**	Lesser tubercle of the humerus	**13**	Medial margin of the scapula
3	Acromioclavicular joint	**9**	Greater tubercle of the humerus	**14**	Proximal clavicle
4	Acromion	**10**	Humeral head	**15**	Lateral margin of the scapula
5	Spine of the scapula	**11**	Glenoid fossa (articular surface)	**16**	Humerus
6	Clavicle				



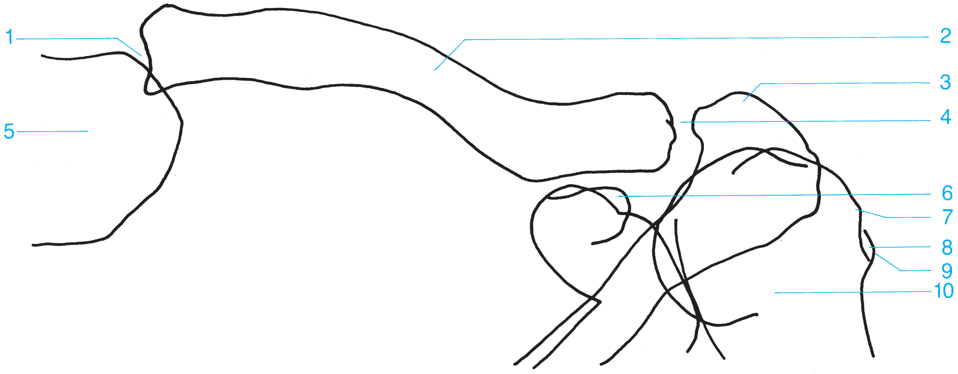


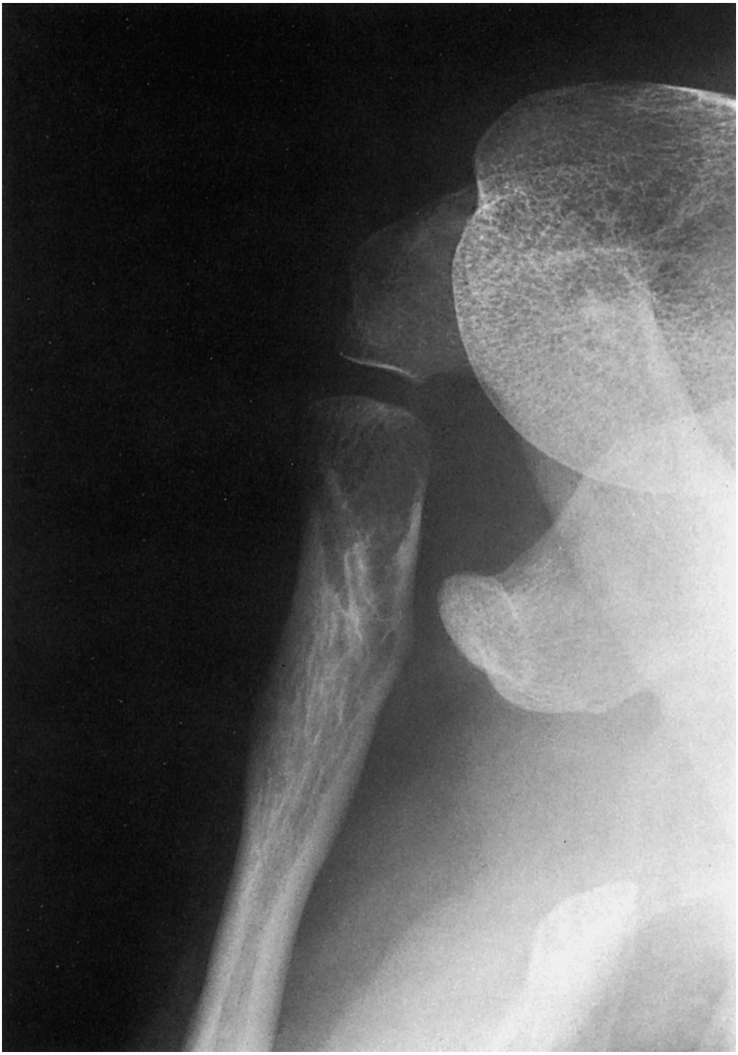
1 Conoid tubercle of the clavicle
2 Acromioclavicular joint
3 Acromion
4 Clavicle
5 Superior angle of the scapula
6 Proximal clavicle
7 Coracoid process
8 Humeral head
9 Spine of the scapula
10 Costotransverse joint
11 Glenoid fossa



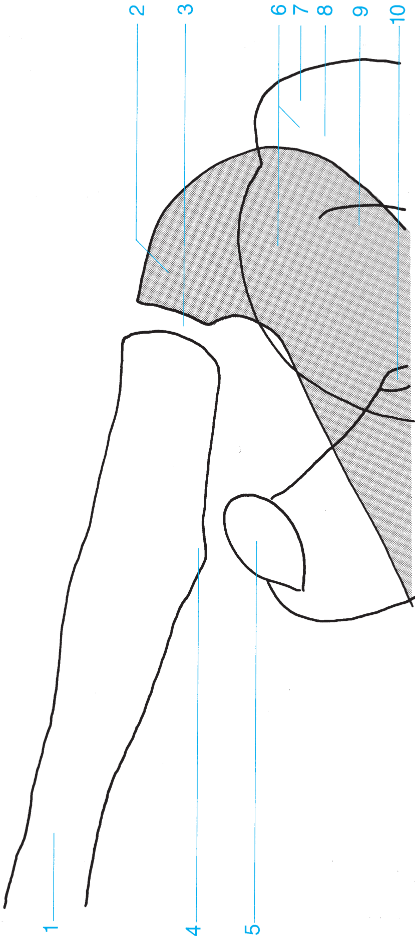


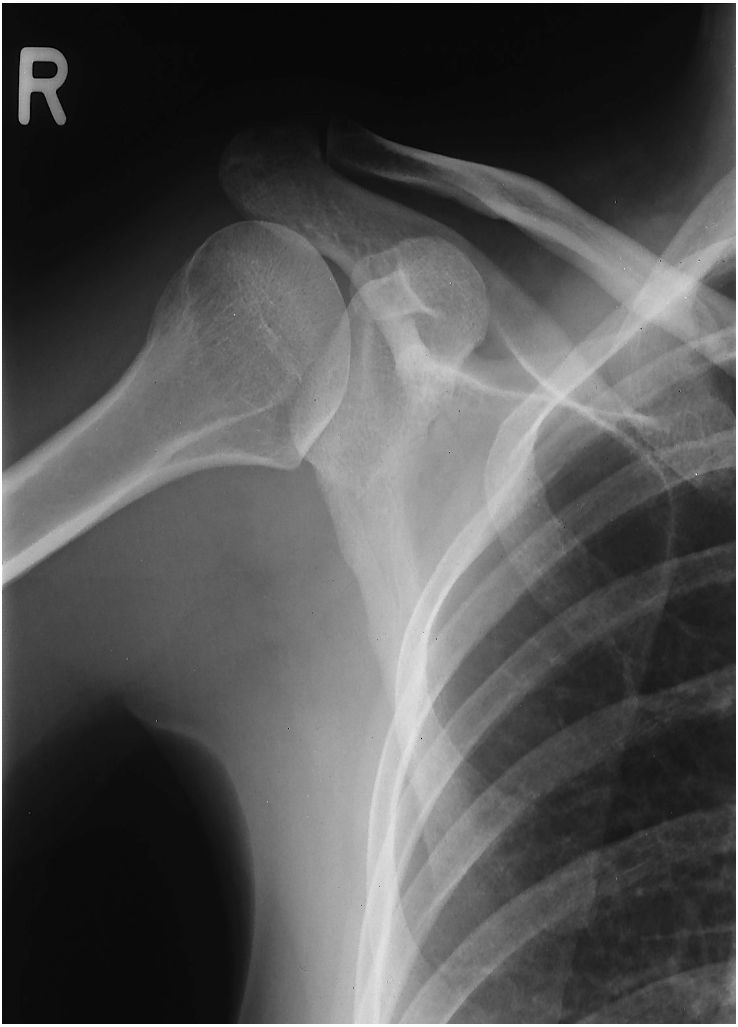
1	Sternoclavicular joint	**6**	Coracoid process
2	Clavicle	**7**	Greater tubercle of the humerus
3	Acromion	**8**	Bicipital groove
4	Acromioclavicular joint	**9**	Lesser tubercle of the humerus
5	Sternum (manubrium)	**10**	Humeral head





1	Clavicle
2	Acromion
3	Acromioclavicular joint
4	Conoid tubercle of the clavicle
5	Coracoid process
6	Humeral head
7	Greater tubercle of the humerus
8	Bicipital groove
9	Lesser tubercle of the humerus
10	Glenoid fossa

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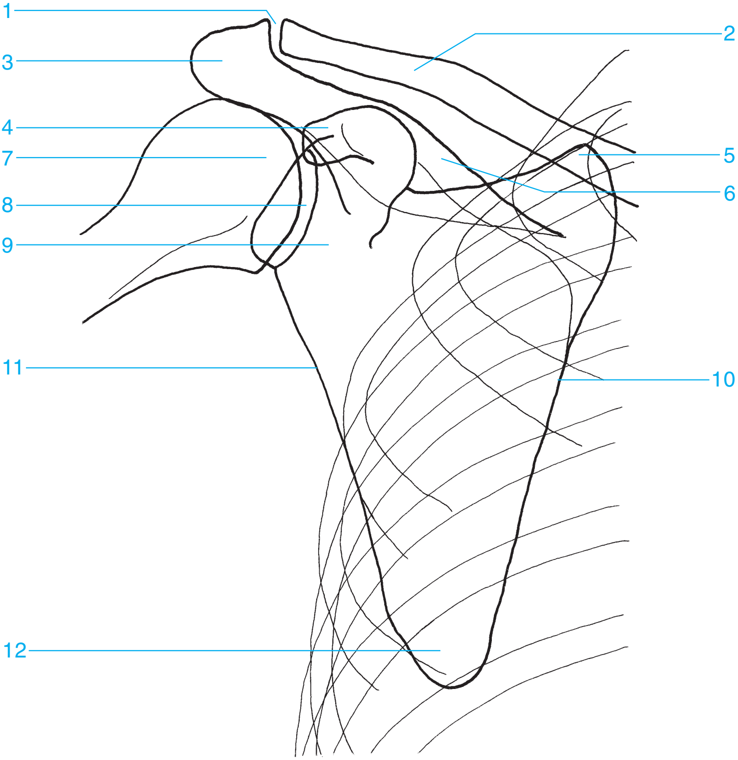
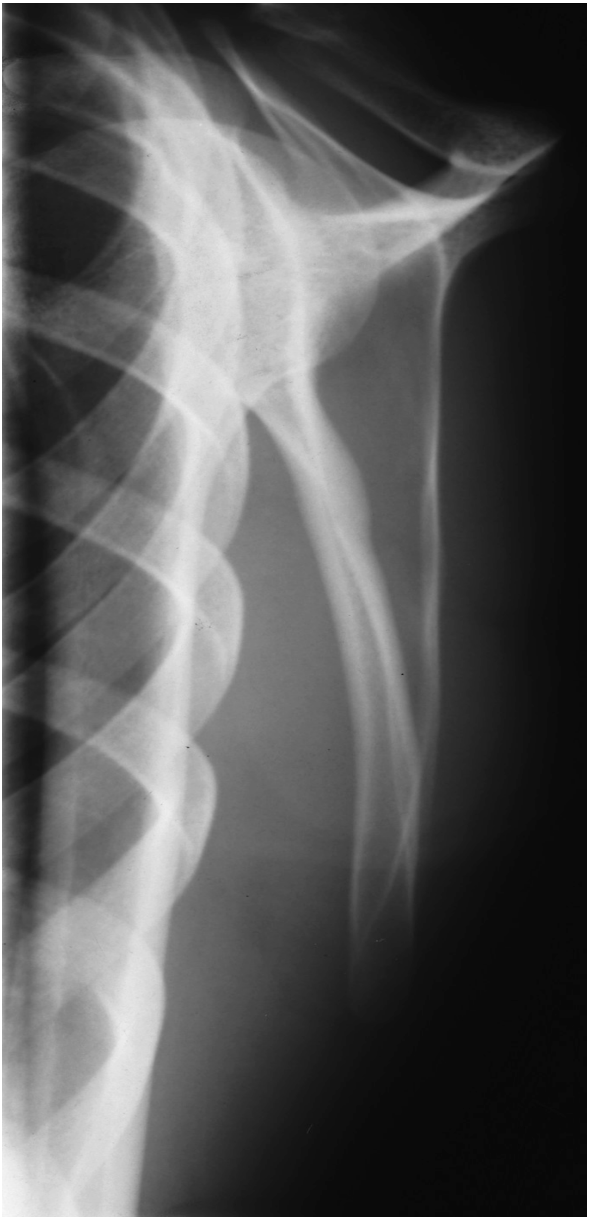
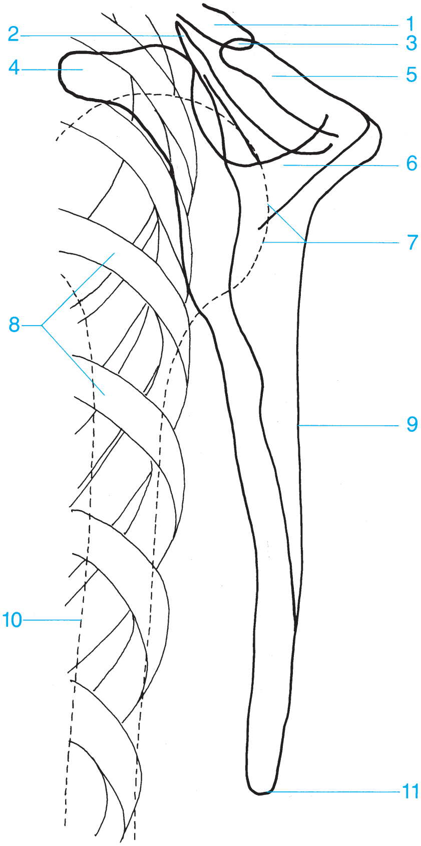
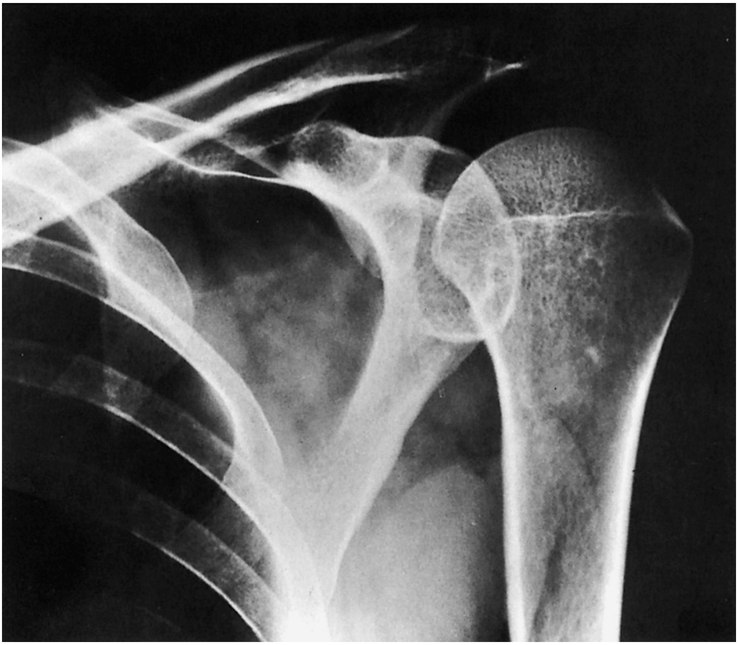


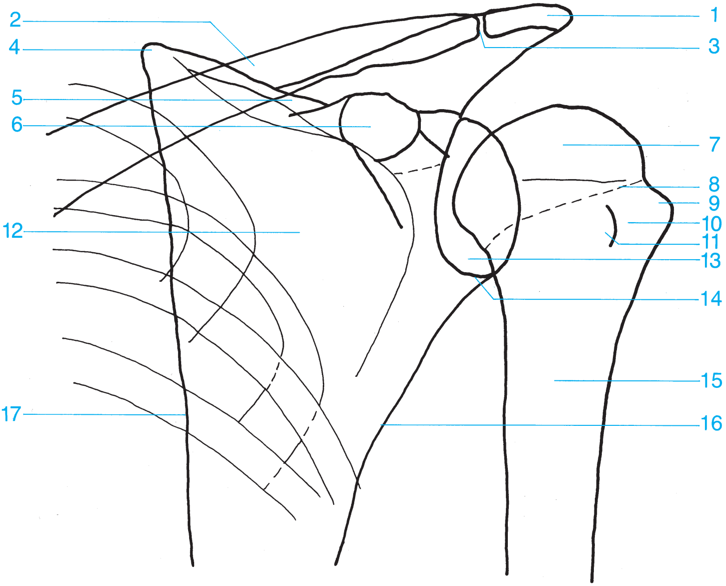
1	Acromioclavicular joint	**8**	Articular surface
2	Clavicle	**9**	Lateral process (neck) of the scapula
3	Acromion	**10**	Medial margin
4	Coracoid process	**11**	Lateral margin
5	Superior angle	**12**	Inferior angle
6	Spine of the scapula		
7	Humeral head		



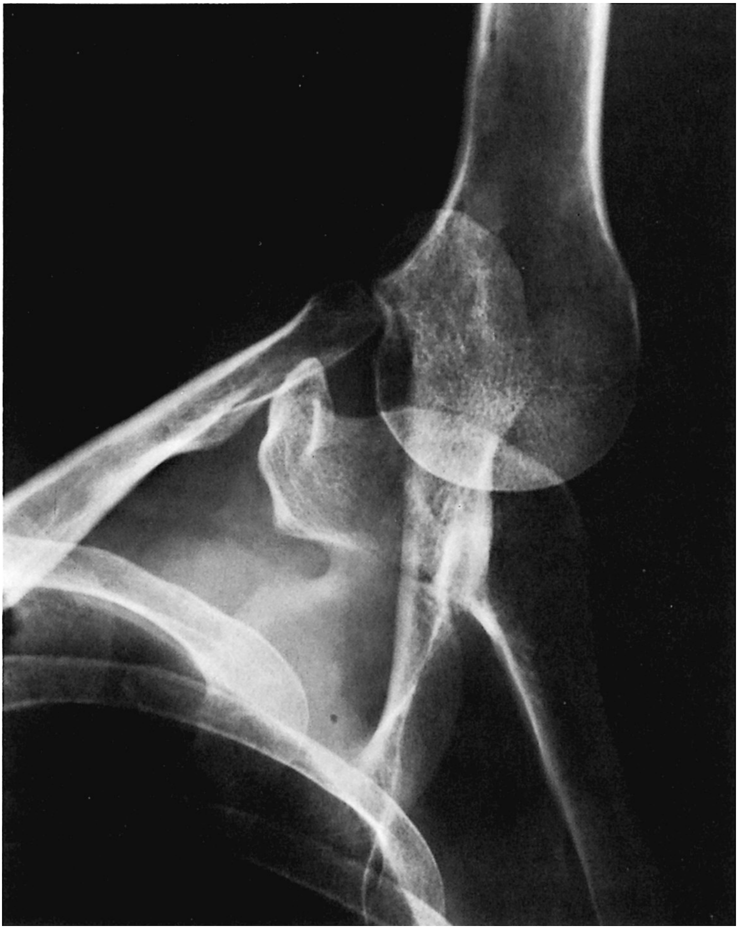


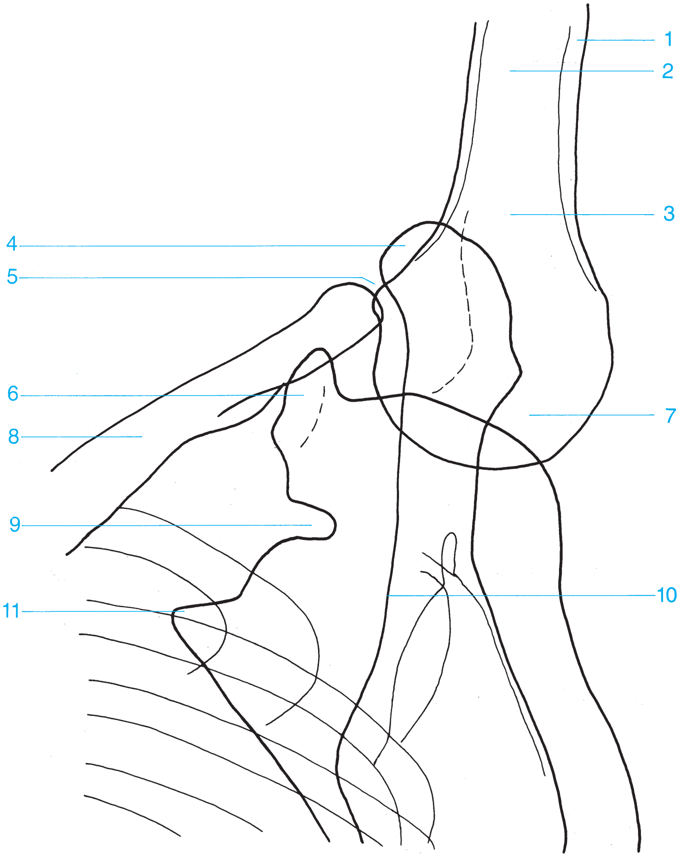
1	Distal clavicle	**7**	Humeral head
2	Superior angle of the scapula	**8**	Ribs
3	Acromioclavicular joint	**9**	Lateral margin of the scapula
4	Coracoid process	**10**	Humeral shaft
5	Acromion	**11**	Inferior angle of the scapula
6	Spine of the scapula		



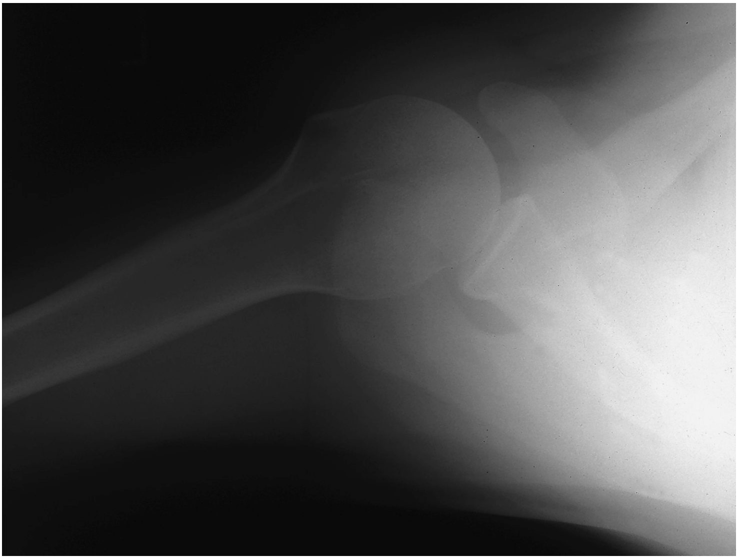


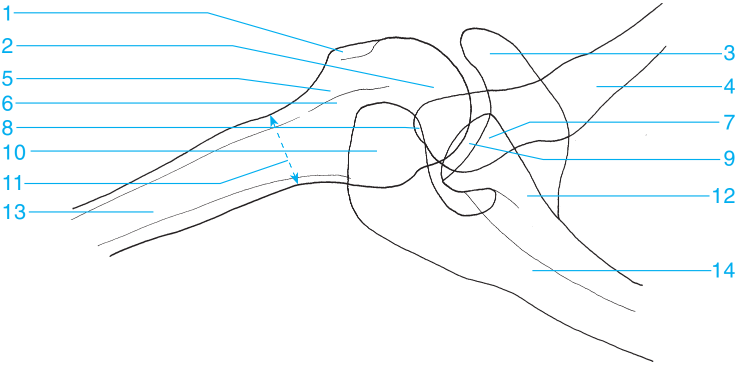
1	Acromion	**10**	Bicipital groove
2	Clavicle	**11**	Lesser tubercle of the humerus
3	Acromioclavicular joint	**12**	Scapula
4	Superior angle of the scapula	**13**	Glenoid fossa
5	Spine of the scapula	**14**	Glenoid labrum
6	Coracoid process	**15**	Surgical neck
7	Humeral head	**16**	Lateral margin of the scapula
8	Anatomical neck	**17**	Medial margin of the scapula
9	Greater tubercle of the humerus		



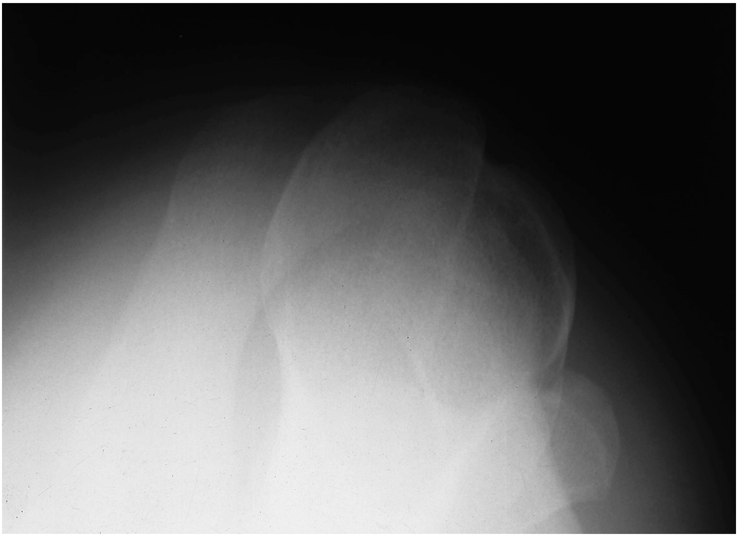


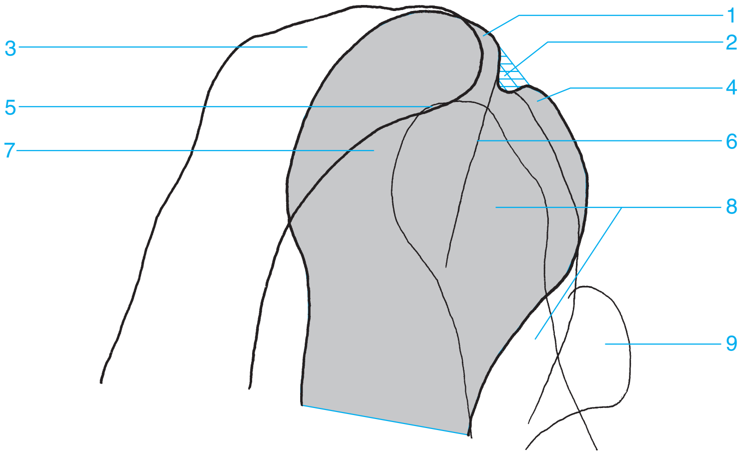
1 Cortex
2 Metaphysis
3 Surgical neck
4 Acromion
5 Acromioclavicular joint
6 Coracoid process
7 Humeral head
8 Clavicle
9 Suprascapular notch
10 Spine of the scapula
11 Superior angle of the scapula



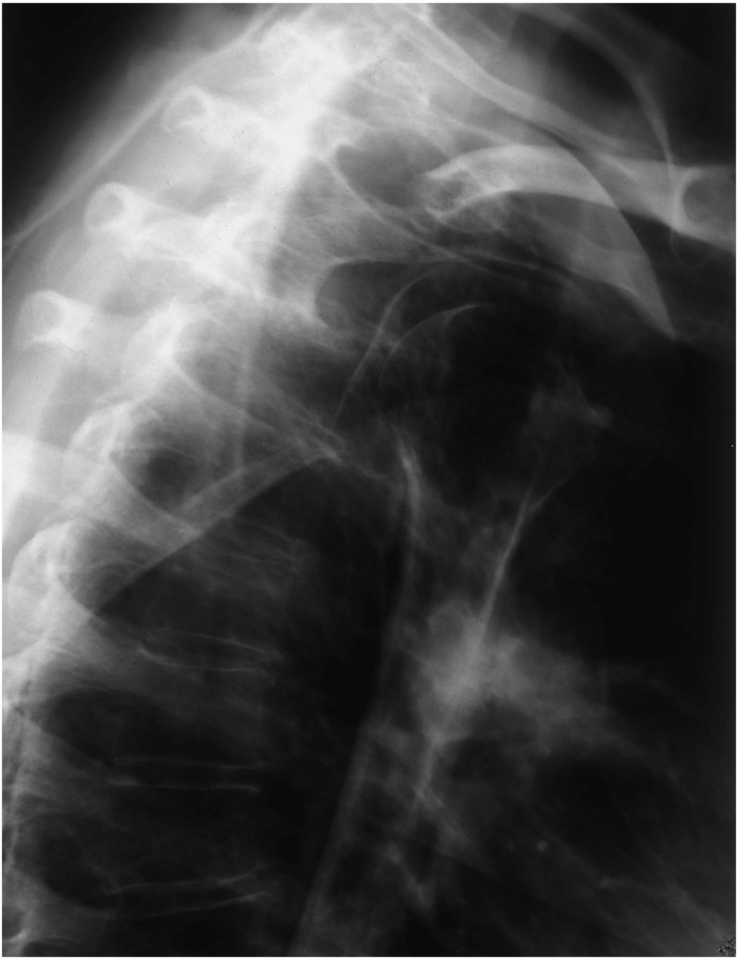


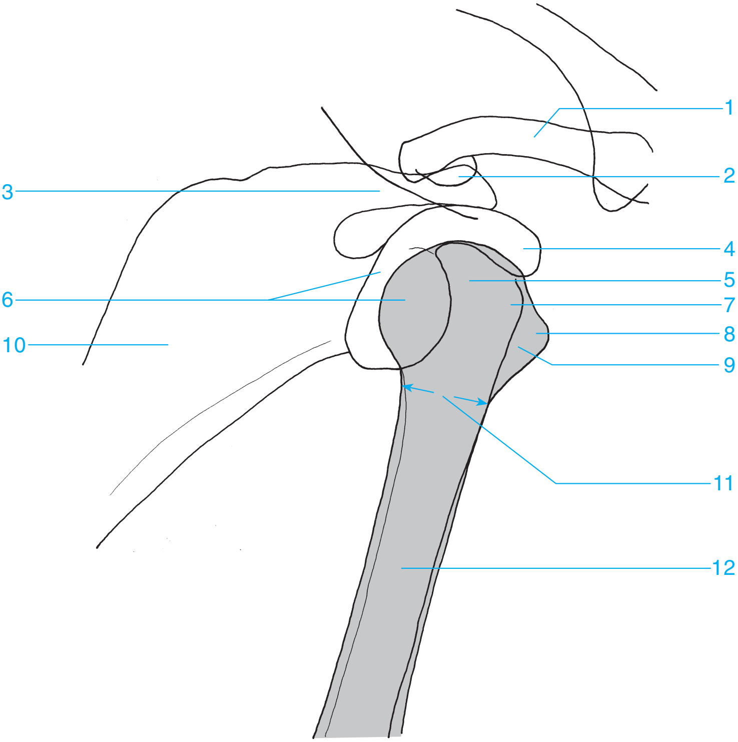
1	Lesser tubercle of the humerus	**8**	Acromioclavicular joint
2	Humeral head	**9**	Glenohumeral joint
3	Coracoid process	**10**	Acromion
4	Clavicle	**11**	Superior angle of the scapula
5	Bicipital groove	**12**	Neck of the scapula
6	Greater tubercle of the humerus	**13**	Humerus
7	Glenoid fossa	**14**	Scapula



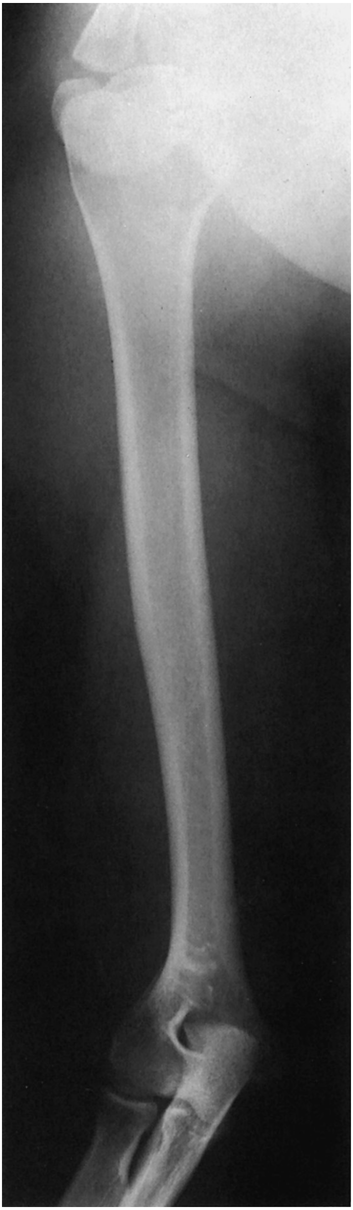


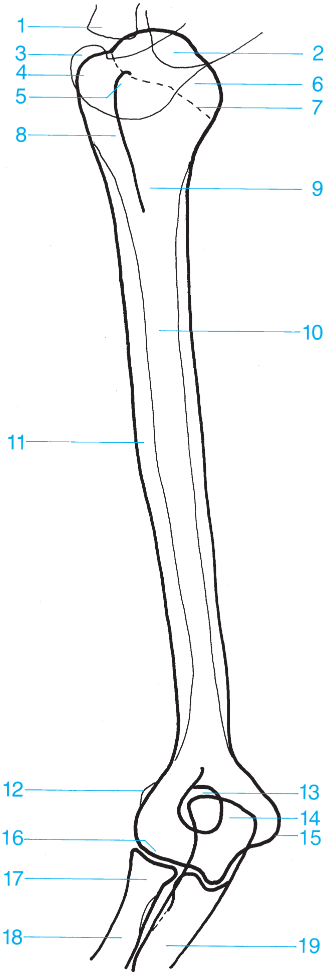
1	Greater tubercle of the humerus	**6**	Crest of the greater tubercle
2	Bicipital groove	**7**	Humeral head
3	Acromion	**8**	Clavicle
4	Lesser tubercle of the humerus	**9**	Coracoid process
5	Acromioclavicular joint		



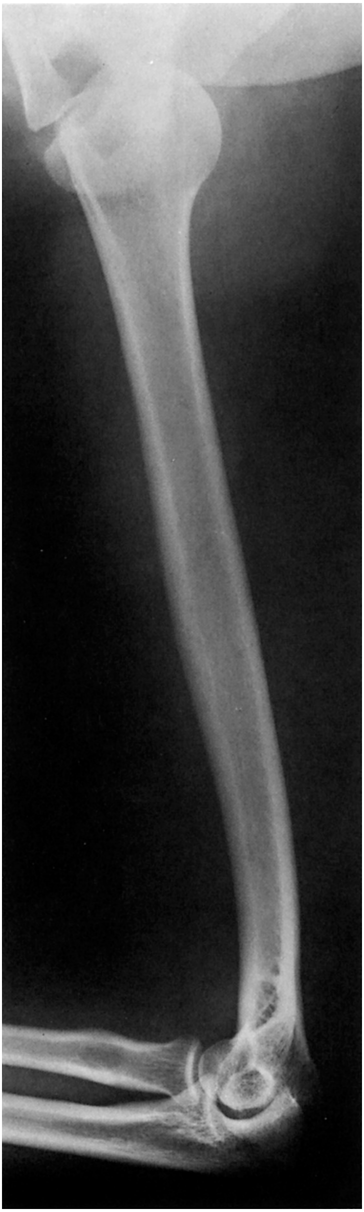


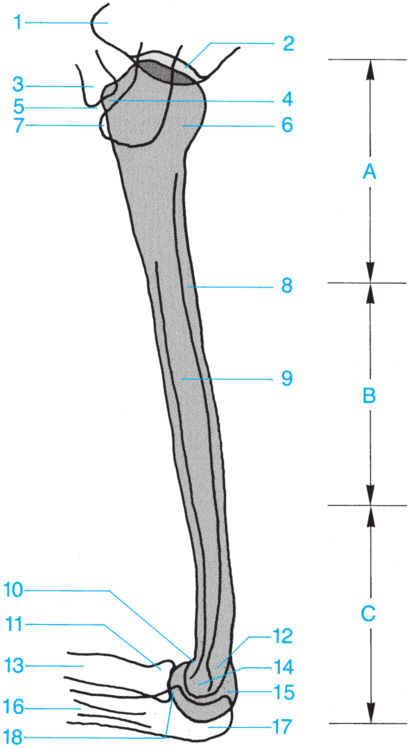
1	Clavicle	**7**	Greater tubercle of the humerus
2	Acromioclavicular joint	**8**	Lesser tubercle of the humerus
3	Acromion	**9**	Bicipital groove
4	Coracoid process	**10**	Scapula
5	Humeral head	**11**	Surgical neck
6	Glenoid fossa	**12**	Humerus



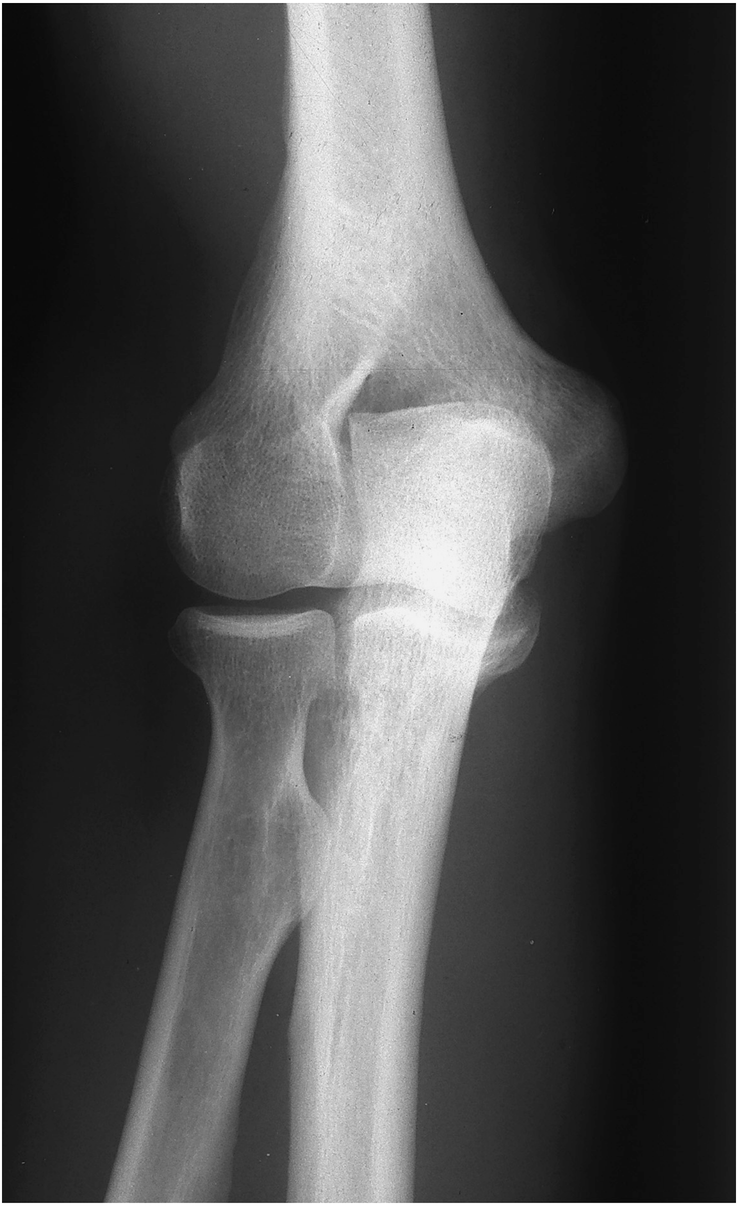


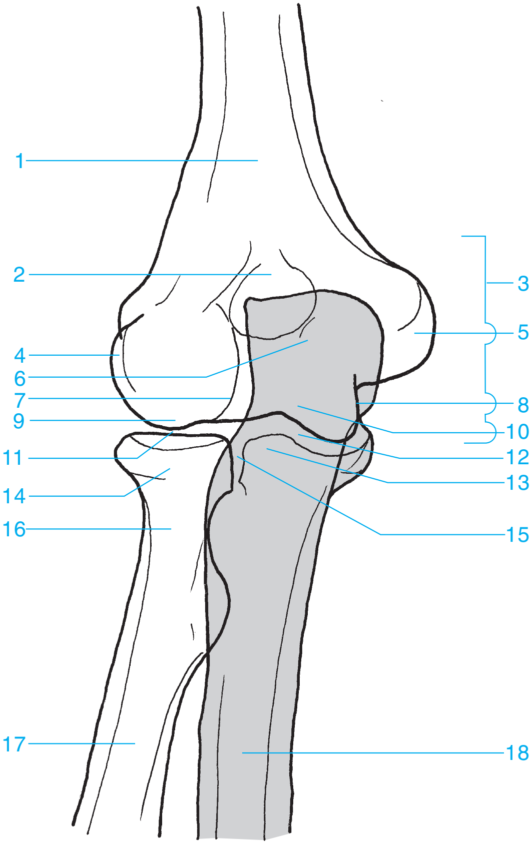
1 Clavicle
2 Lateral process (neck) of the scapula
3 Acromion
4 Greater tubercle of the humerus
5 Lesser tubercle of the humerus
6 Humeral head
7 Anatomical neck
8 Bicipital groove
9 Surgical neck
10 Humerus
11 Deltoid tuberosity
12 Lateral epicondyle
13 Olecranon fossa
14 Olecranon
15 Medial epicondyle
16 Trochlea
17 Radial head
18 Radius
19 Ulna



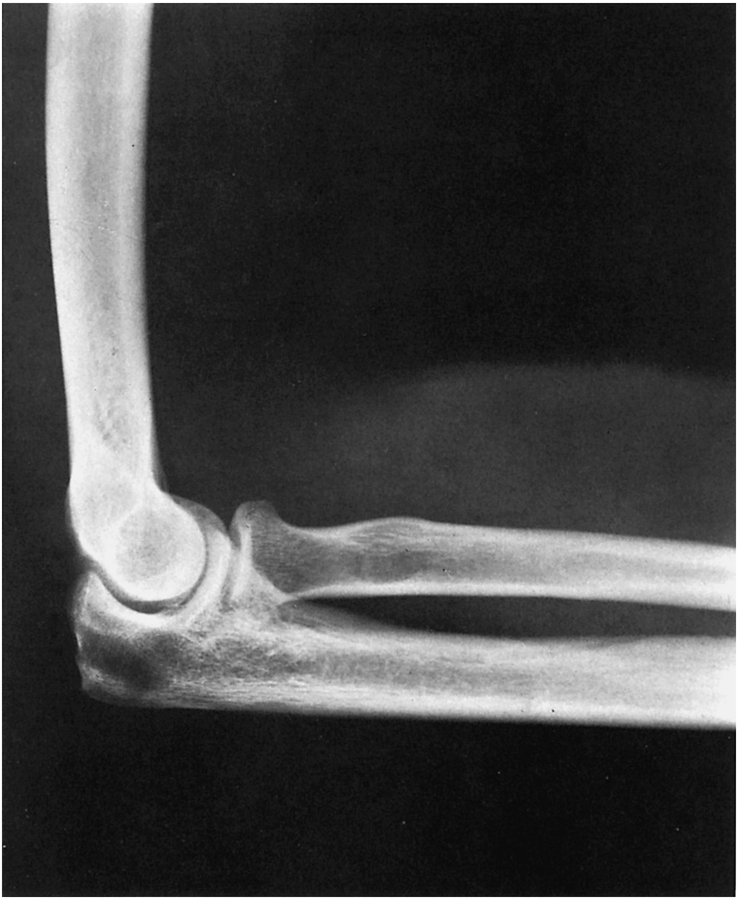


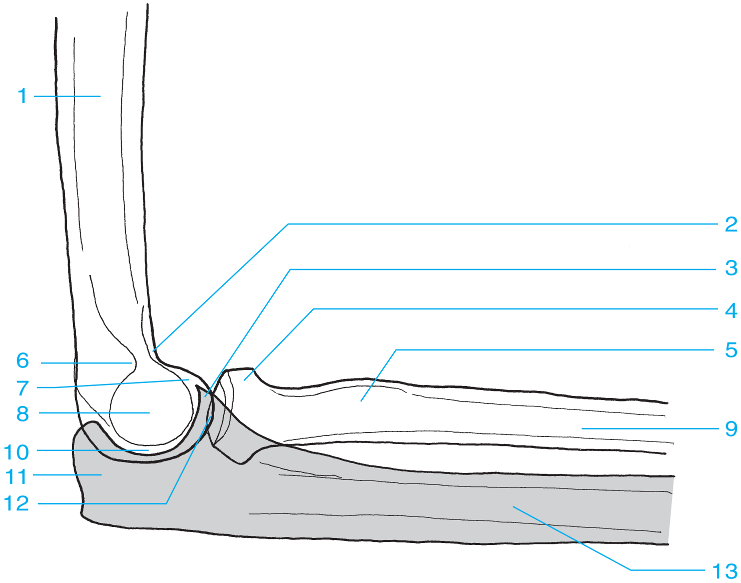
A	Proximal third of the humerus	**9**	Humeral shaft
B	Medial third of the humerus	**10**	Coronoid fossa
C	Distal third of the humerus	**11**	Radial head
1	Coracoid process	**12**	Olecranon fossa
2	Glenoid fossa	**13**	Radius
3	Clavicle	**14**	Trochlea
4	Lesser tubercle of the humerus	**15**	Capitellum
5	Acromioclavicular joint	**16**	Ulna
6	Humeral head	**17**	Olecranon
7	Acromion	**18**	Coronoid process
8	Cortex		



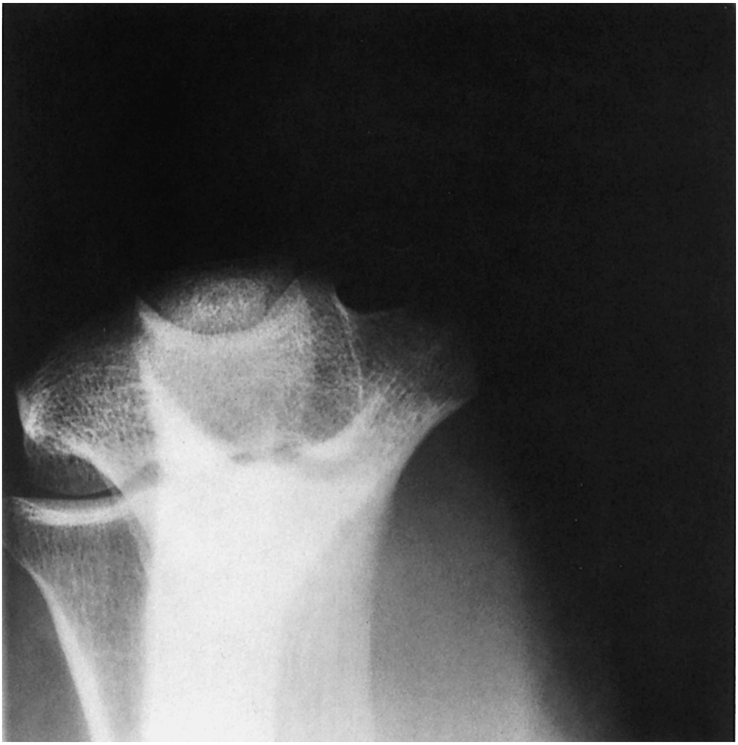


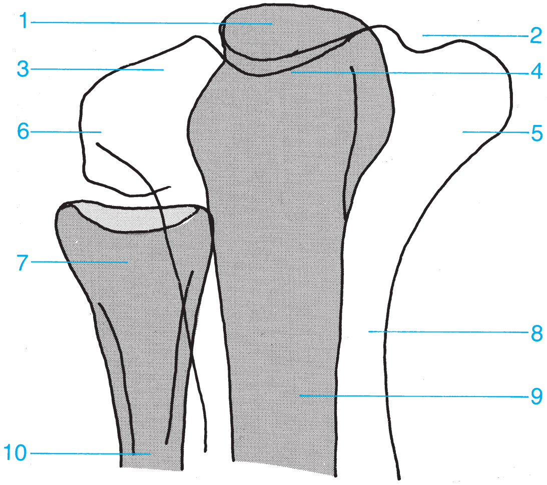
1	Humerus	**10**	Trochlea
2	Olecranon fossa	**11**	Humeroradial joint
3	Medial epicondyle of the humerus	**12**	Humeroulnar joint
4	Lateral epicondyle of the humerus	**13**	Coronoid process
5	Apex of the medial epicondyle of the humerus	**14**	Radial head
6	Olecranon	**15**	Proximal radioulnar joint
7	Lateral margin of the trochlea	**16**	Radial neck
8	Medial margin of the trochlea	**17**	Radius
9	Capitellum	**18**	Ulna



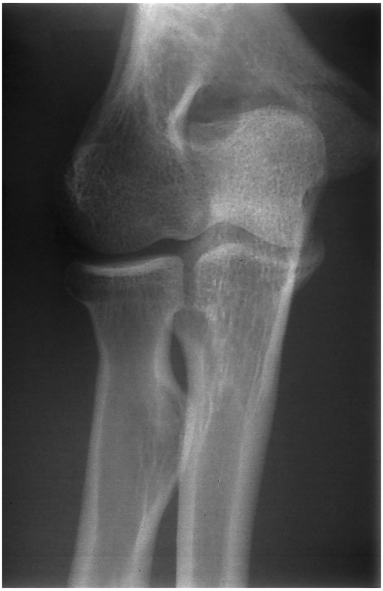


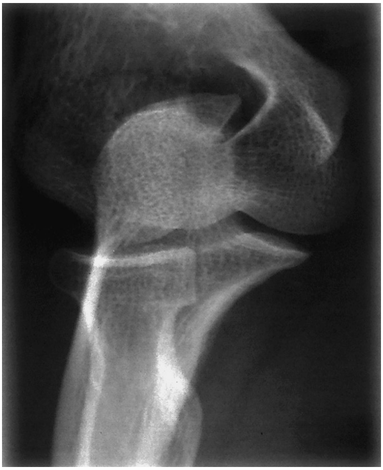
1	Humerus	**8**	Lateral epicondyle
2	Coronoid fossa	**9**	Radius
3	Coronoid process	**10**	Humeroulnar joint
4	Radial head	**11**	Olecranon
5	Radial tuberosity	**12**	Humeroradial joint
6	Olecranon fossa	**13**	Ulna
7	Medial epicondyle		

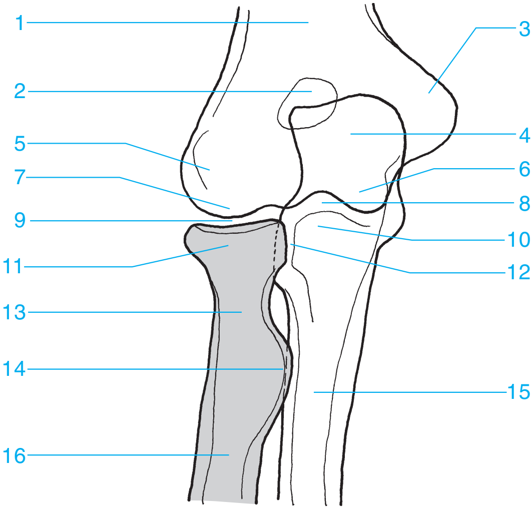




1	Olecranon	**6**	Lateral epicondyle
2	Cubital tunnel	**7**	Radial head
3	Capitellum	**8**	Humerus
4	Trochlea	**9**	Ulna
5	Medial epicondyle	**10**	Radius



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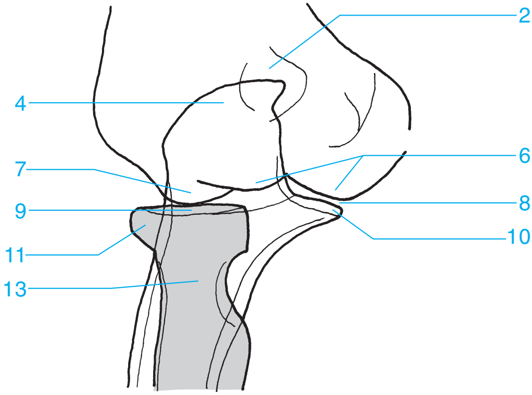
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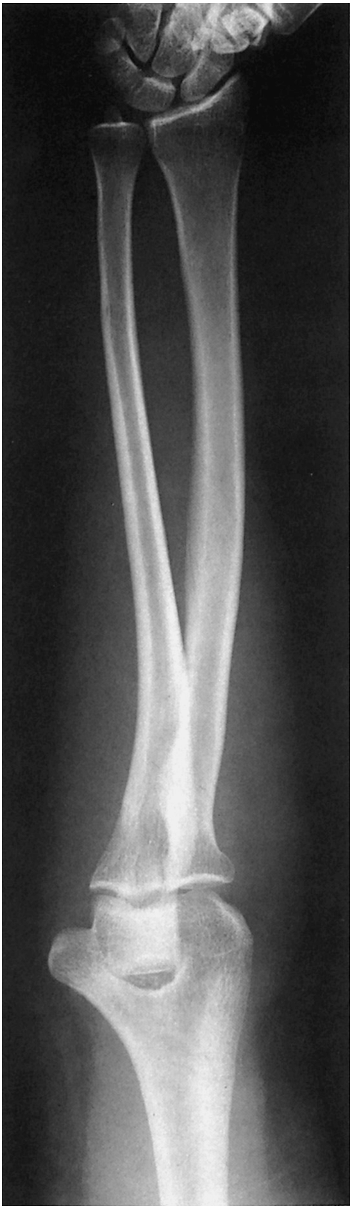
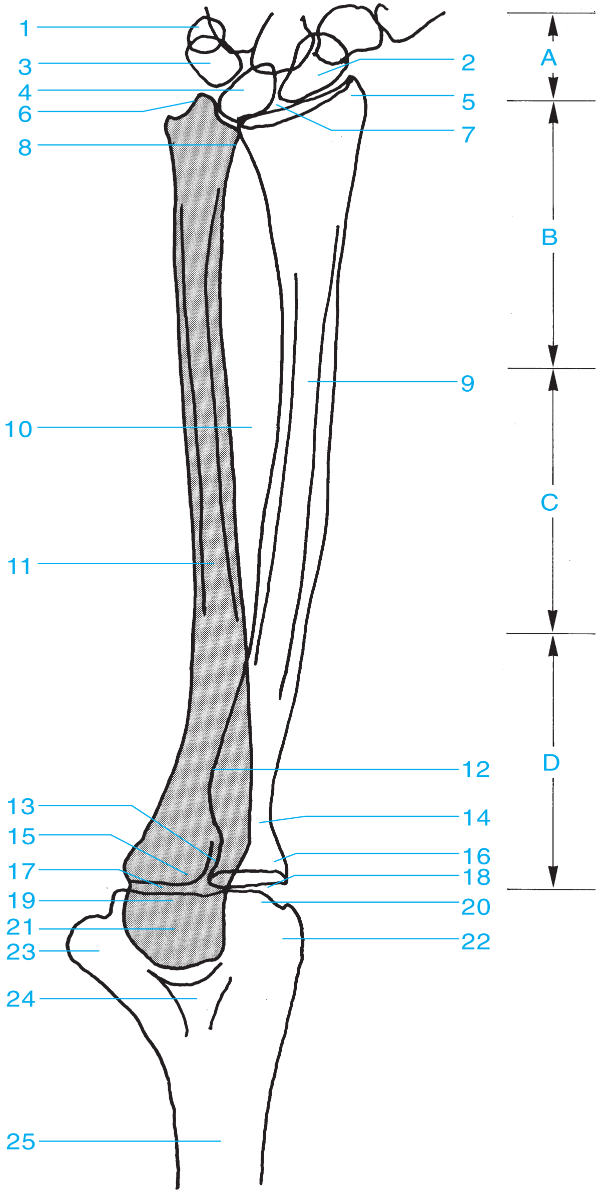
1	Humerus	**9**	Humeroradial joint
2	Olecranon fossa	**10**	Coronoid process
3	Medial epicondyle	**11**	Radial head
4	Olecranon	**12**	Proximal radioulnar joint
5	Lateral epicondyle	**13**	Radial neck
6	Trochlea	**14**	Radial tuberosity
7	Capitellum	**15**	Ulna
8	Humeroulnar joint	**16**	Radius



A	Carpal bones
B	Distal third of the forearm
C	Middle third of the forearm
D	Proximal third of the forearm
1	Pisiform bone
2	Scaphoid
3	Triquetrum
4	Lunate bone
1–4	Proximal carpal row
5	Radial styloid
6	Ulnar styloid
7	Radiocarpal joint
8	Distal radioulnar joint
9	Radius
10	Interosseous membrane
11	Ulna
12	Radial tuberosity
13	Proximal radioulnar joint
14	Radial neck
15	Coronoid process
16	Radial head
17	Humeroulnar joint
18	Humeroradial joint
19	Trochlea
20	Capitellum
21	Olecranon
22	Lateral epicondyle of the humerus
23	Medial epicondyle of the humerus
24	Olecranon fossa
25	Humerus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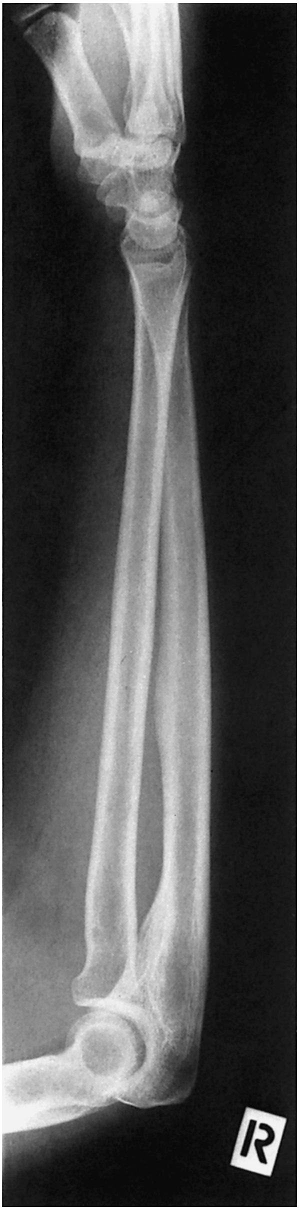
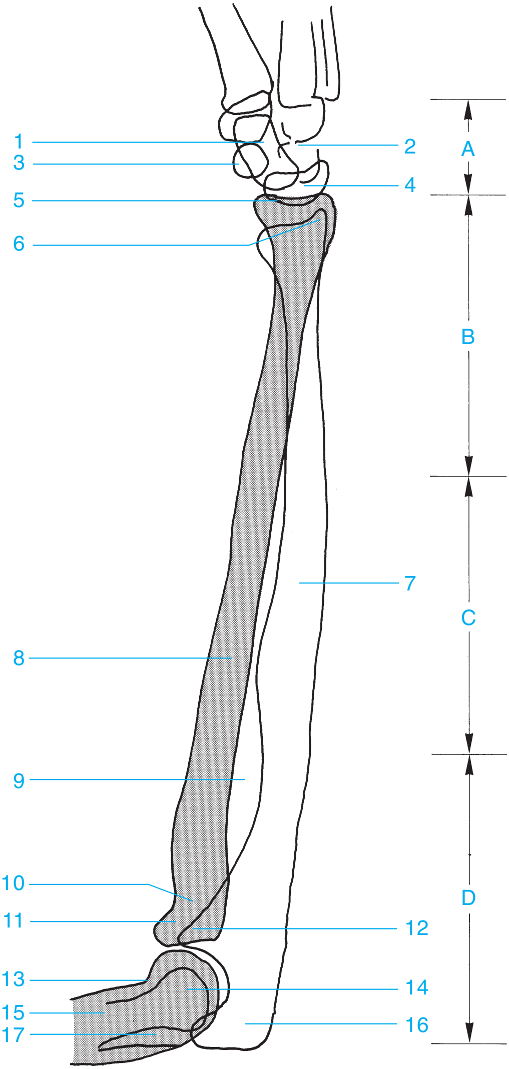


A	Carpal bones
B	Distal third of the forearm
C	Middle third of the forearm
D	Proximal third of the forearm
1	Triquetrum
2	Scapoid
3	Pisiform bone
4	Lunate bone
1–4	Proximal carpal row
5	Radiocarpal joint
6	Ulnar styloid
7	Ulna
8	Radius
9	Interosseous membrane
10	Radial neck
11	Radial head
12	Coronoid process
13	Coronoid fossa
14	Trochlea of the humerus
15	Humerus
16	Olecranon
17	Olecranon fossa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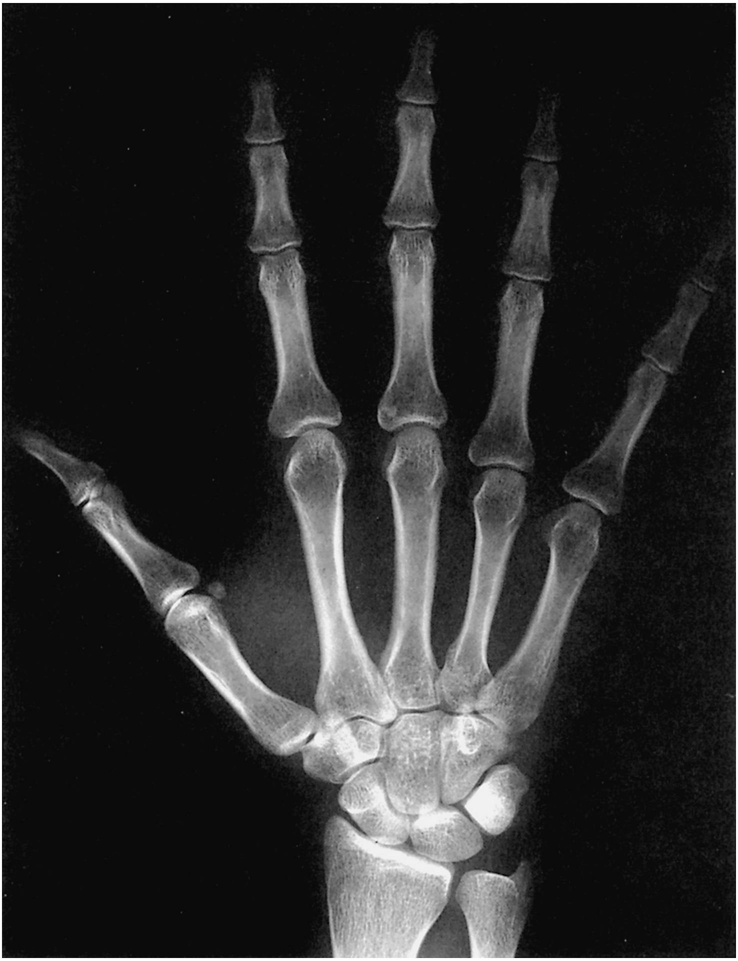
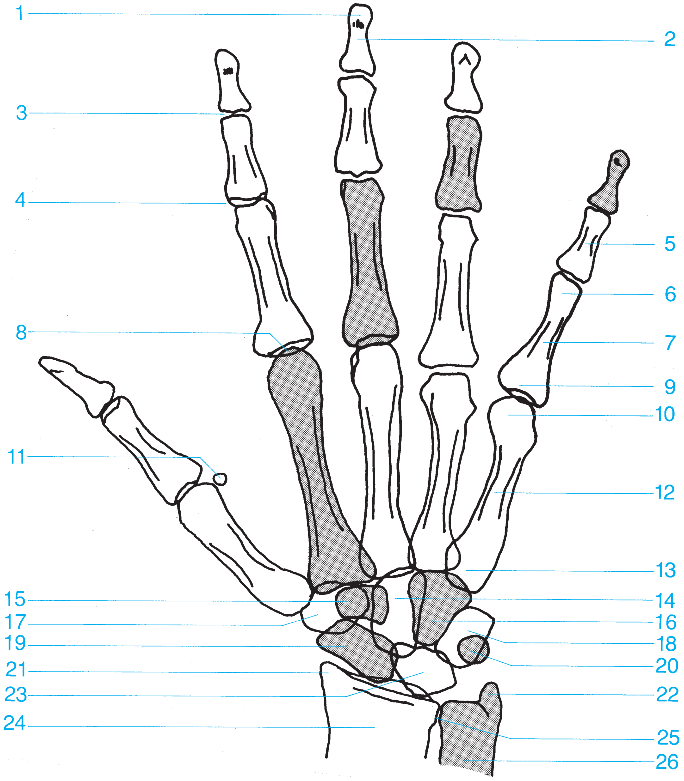
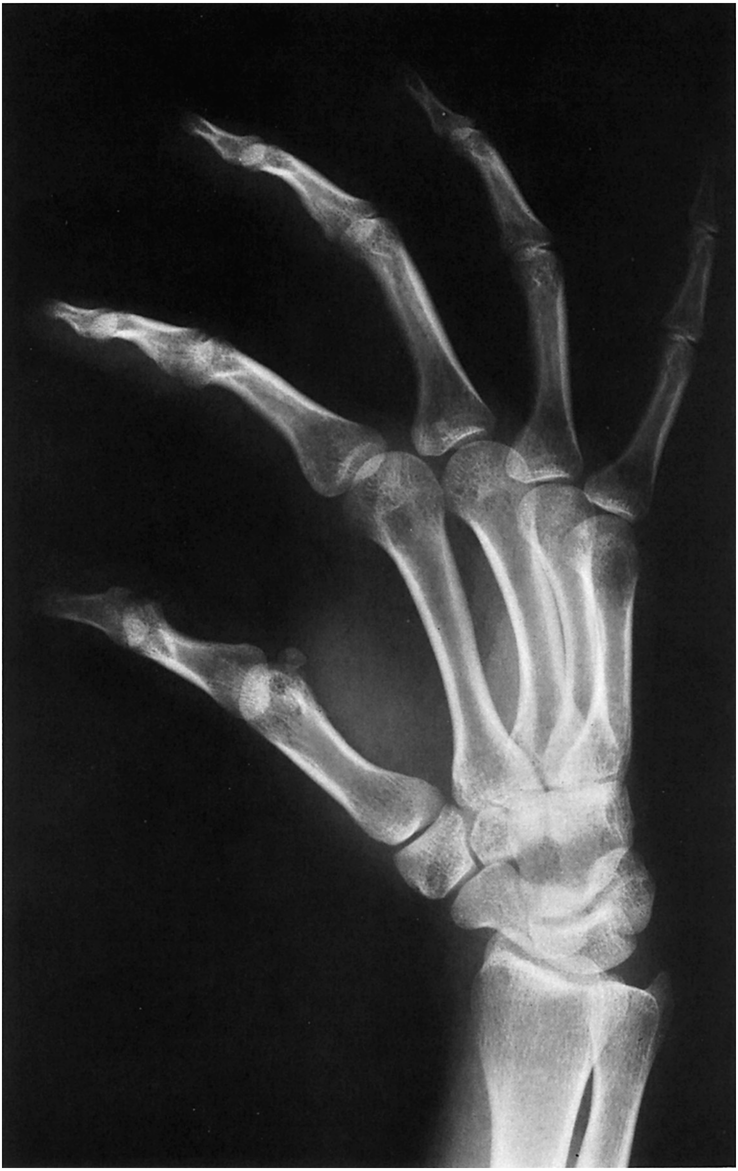
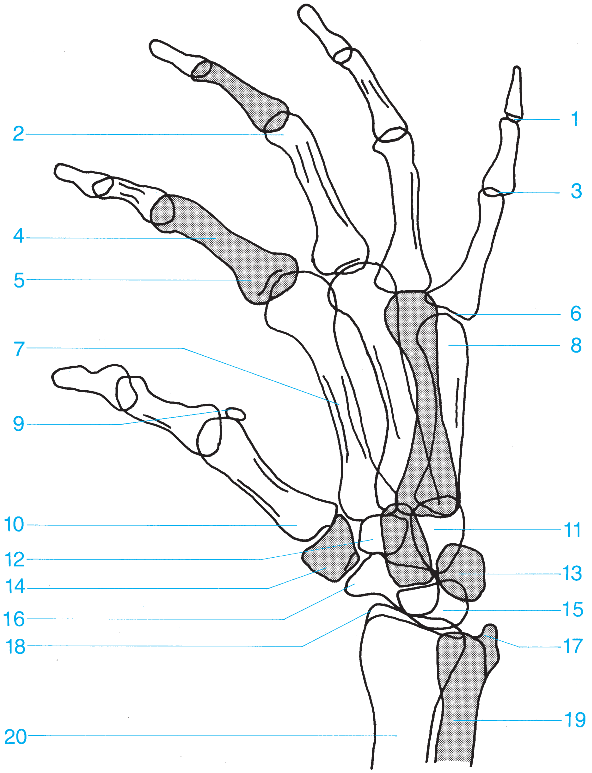




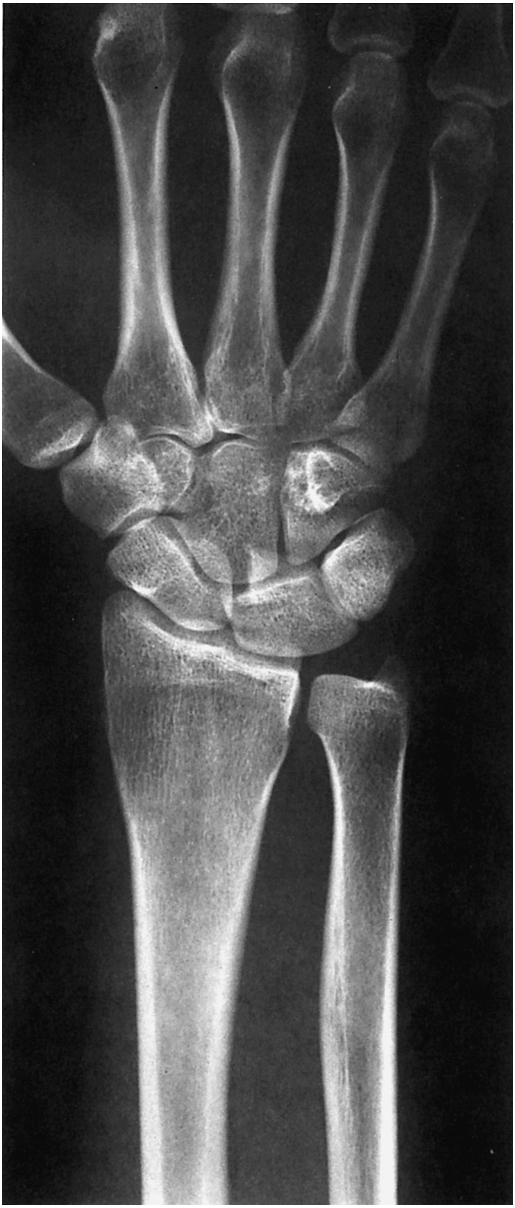
1	Distal phalanx (tuft)	**14**	Capitate
2	Distal phalanx	**15**	Trapezoid
3	Distal interphalangeal joint	**16**	Hamate
4	Proximal interphalangeal joint	**17**	Trapezium
5	Middle phalanx	**18**	Triquetrum
6	Head of the proximal phalanx	**19**	Scaphoid
7	Proximal phalanx	**20**	Pisiform
8	Metacarpophalangeal joint	**21**	Radial styloid
9	Base of the proximal phalanx	**22**	Ulnar styloid
10	Metacarpal head	**23**	Lunate
11	Sesamoid	**24**	Distal radius
12	Metacarpal	**25**	Distal radioulnar joint
13	Metacarpal base	**26**	Distal ulna

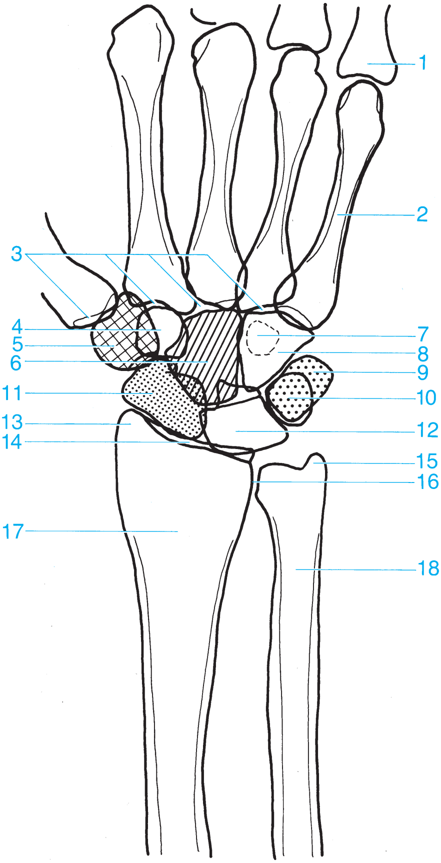


Oblique View of the Hand

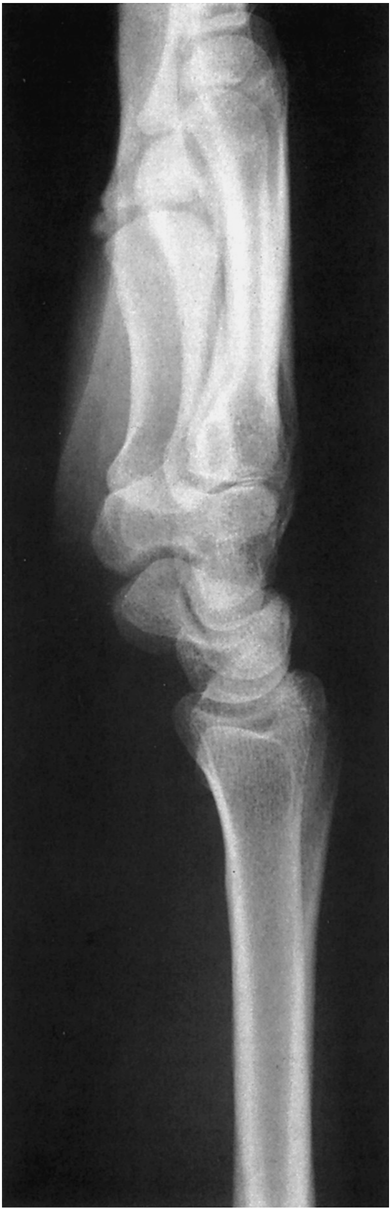


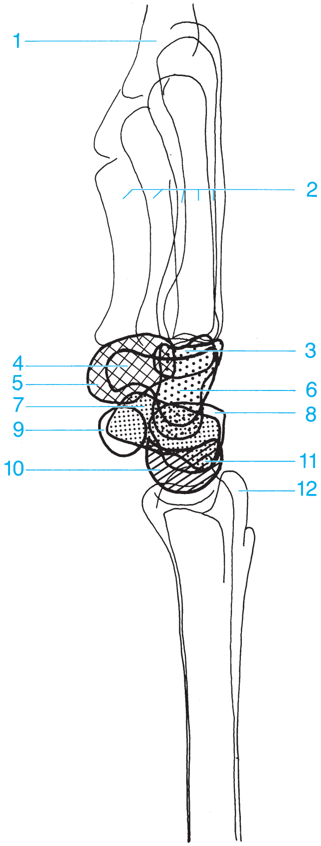
1 Distal interphalangeal joint
2 Head of the proximal phalanx
3 Proximal interphalangeal joint
4 Proximal phalanx
5 Base of the proximal phalanx
6 Metacarpophalangeal joint
7 Metacarpal
8 Metacarpal head
9 Sesamoid
10 Metacarpal base
11 Capitate and hamate
12 Trapezoid
13 Triquetrum
14 Trapezium
15 Lunate
16 Scaphoid
17 Ulnar styloid
18 Radial styloid
19 Distal ulna
20 Distal radius



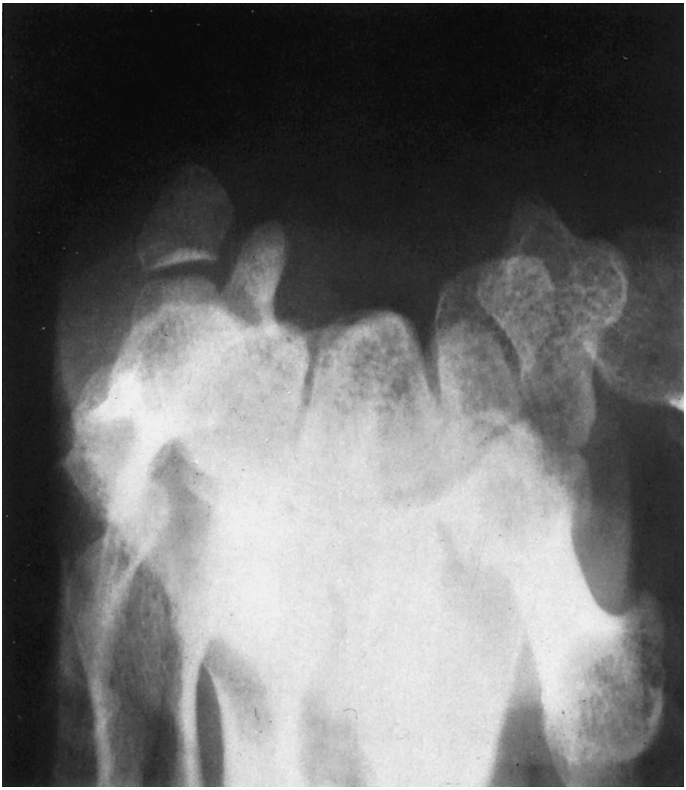


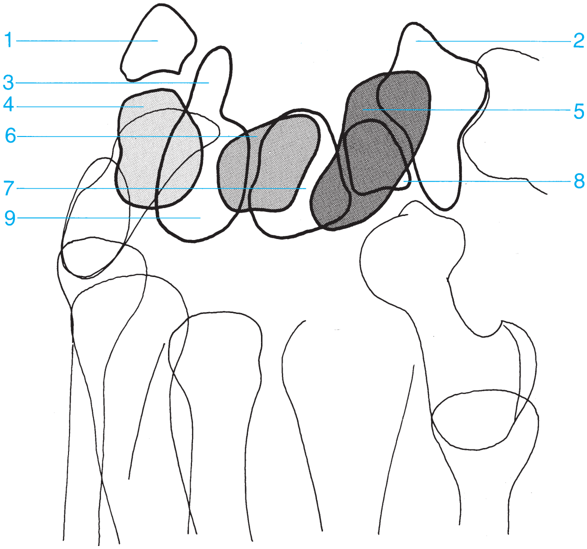
1	Proximal phalanx	**10**	Pisiform
2	Fifth metacarpal	**11**	Scaphoid
3	Carpometacarpal joint	**12**	Lunate
4	Trapezoid	**13**	Radial styloid
5	Trapezium	**14**	Radiocarpal joint
6	Capitate	**15**	Ulnar styloid
7	Hook of the Hamate	**16**	Radioulnar joint
8	Hamate	**17**	Radius
9	Triquetrum	**18**	Ulna



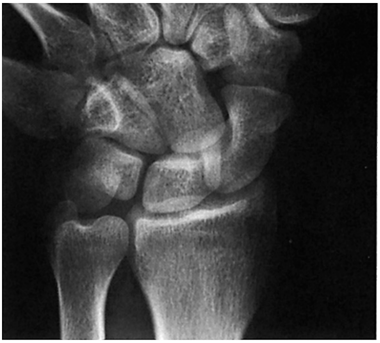


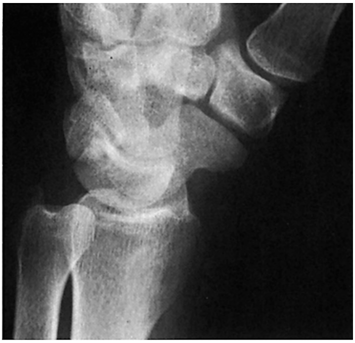
1	Proximal phalanx	
2	Metacarpals	
3	Trapezoid	
4	Hook of the Hamate	
5	Trapezium	▩
6	Capitate	░
7	Scaphoid	▒
8	Triquetrum	
9	Pisiform	
10	Lunate	▨
11	Radial styloid	
12	Ulnar styloid	

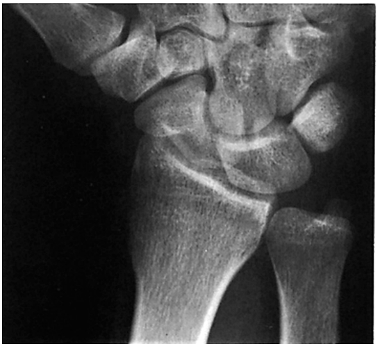


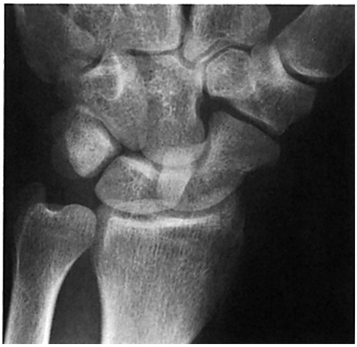


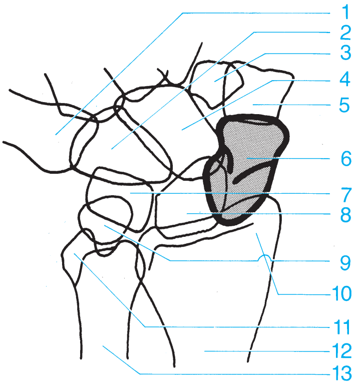
1	Pisiform	**6**	Lunate
2	Trapezium	**7**	Capitate
3	Hook of the hamate	**8**	Trapezoid
4	Triquetrum	**9**	Hamate
5	Scaphoid		







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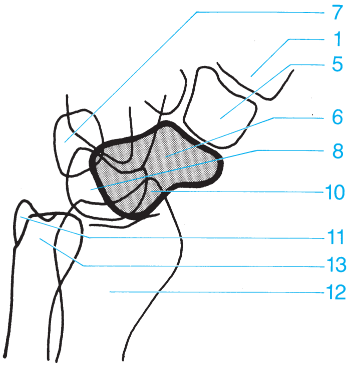
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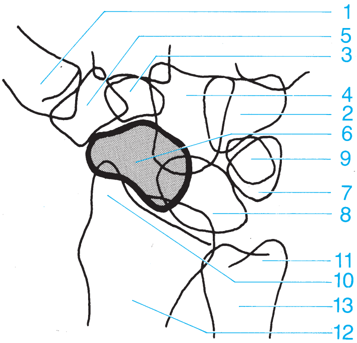
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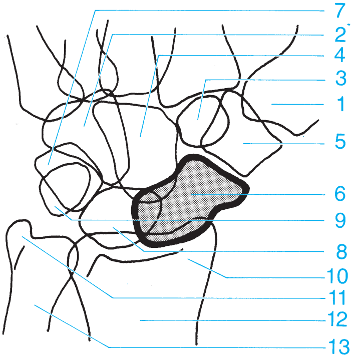
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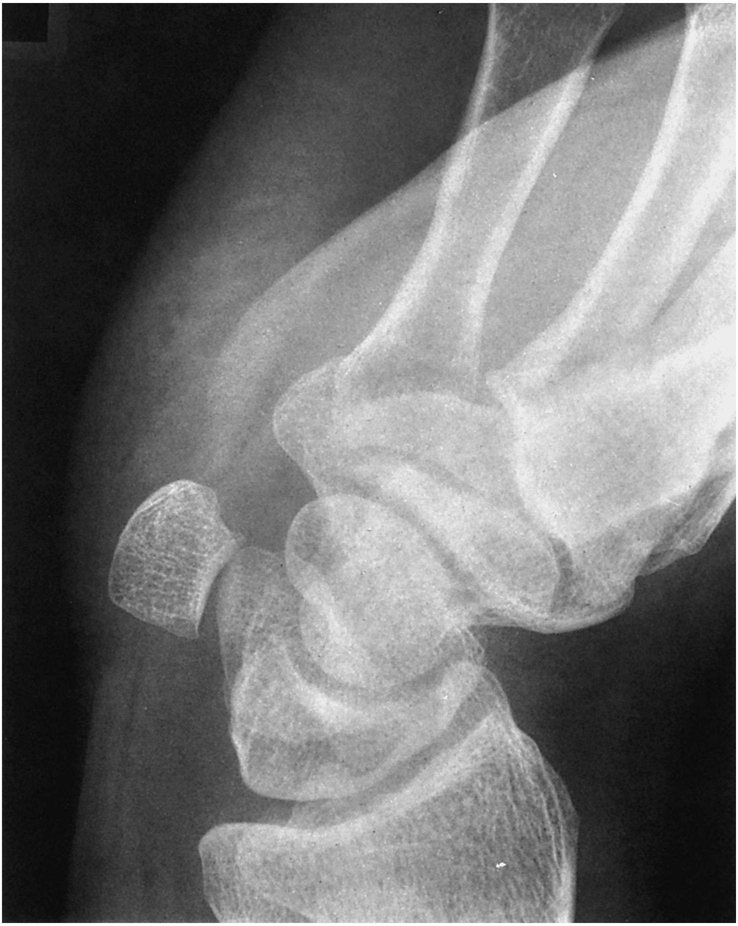
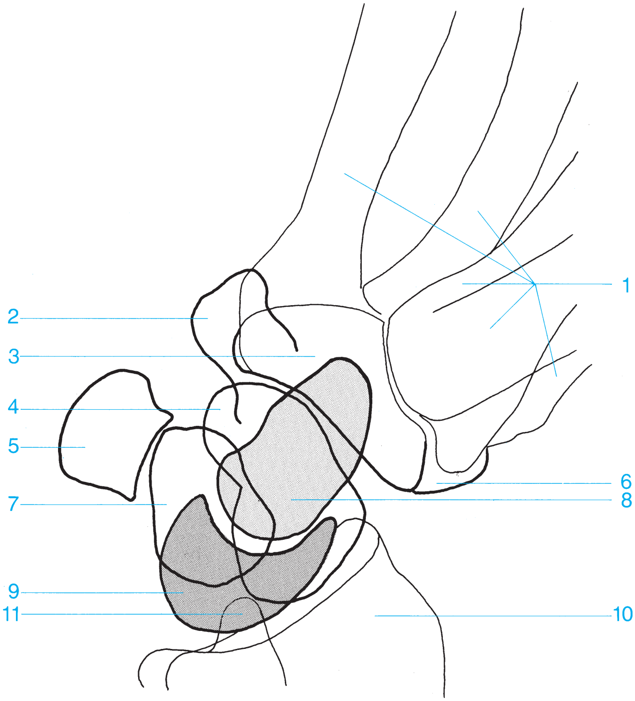
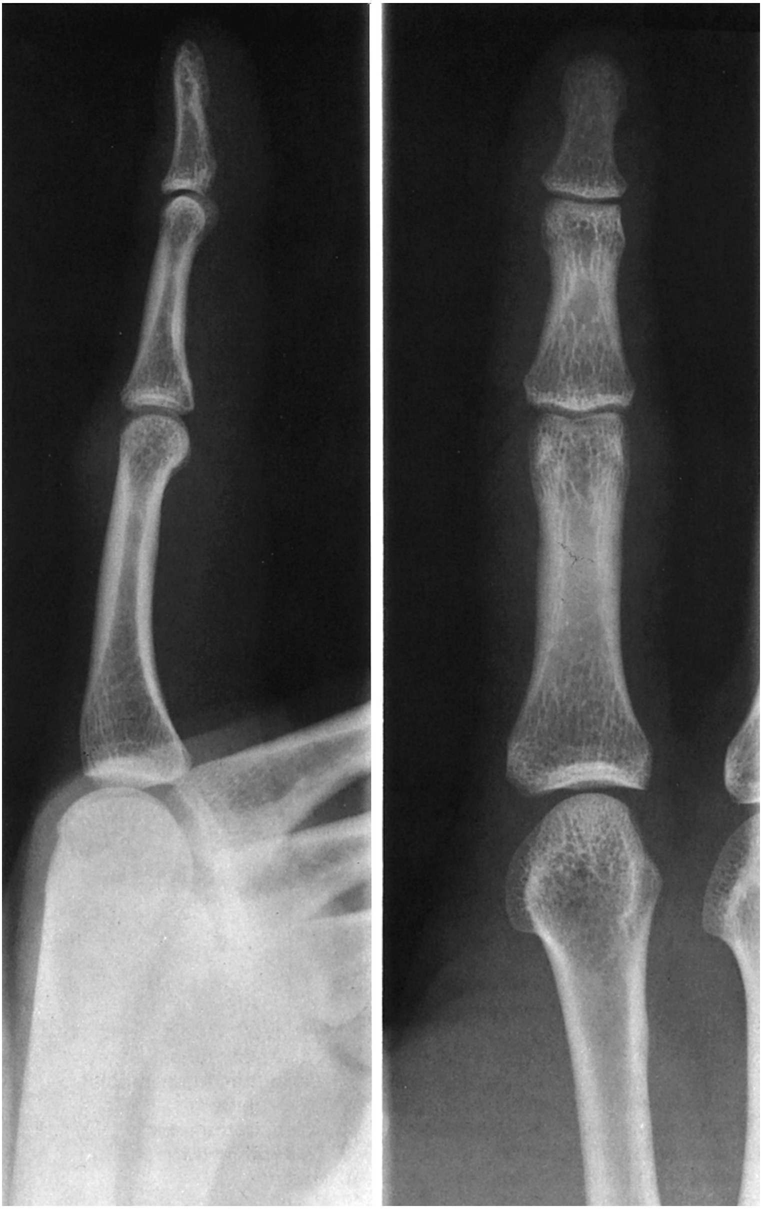
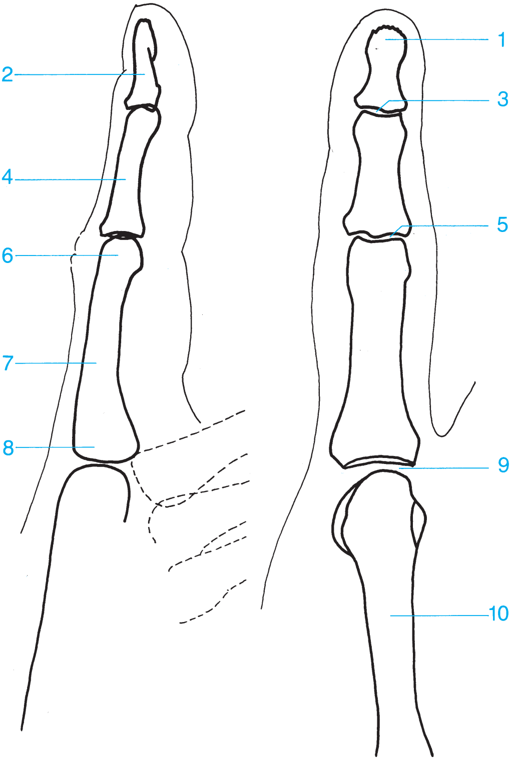
1	Metacarpal
2	Hamate
3	Trapezoid
4	Capitate
5	Trapezium
6	Scaphoid
7	Triquetrum
8	Lunate
9	Pisiform
10	Radial styloid
11	Ulnar styloid
12	Radius
13	Ulna



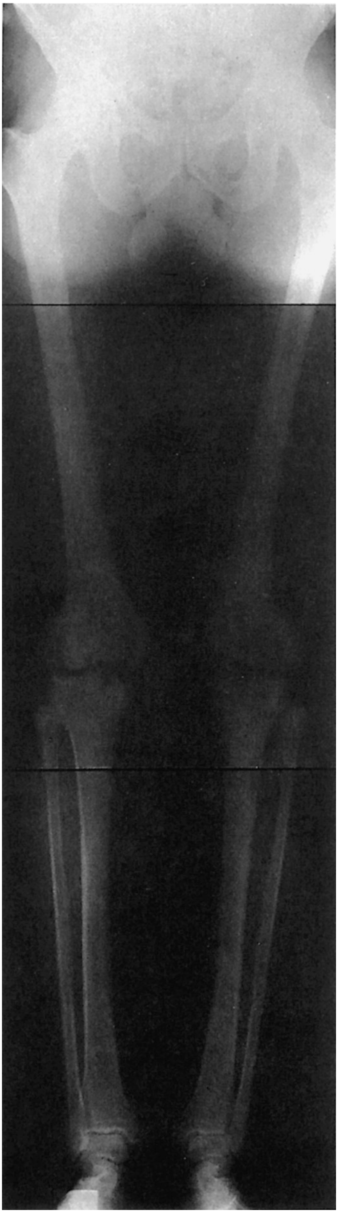


1	Metacarpals	**7**	Triquetrum
2	Hamate	**8**	Capitate
3	Trapezoid	**9**	Lunate
4	Scaphoid	**10**	Radius
5	Pisiform	**11**	Ulnar styloid
6	Trapezium		

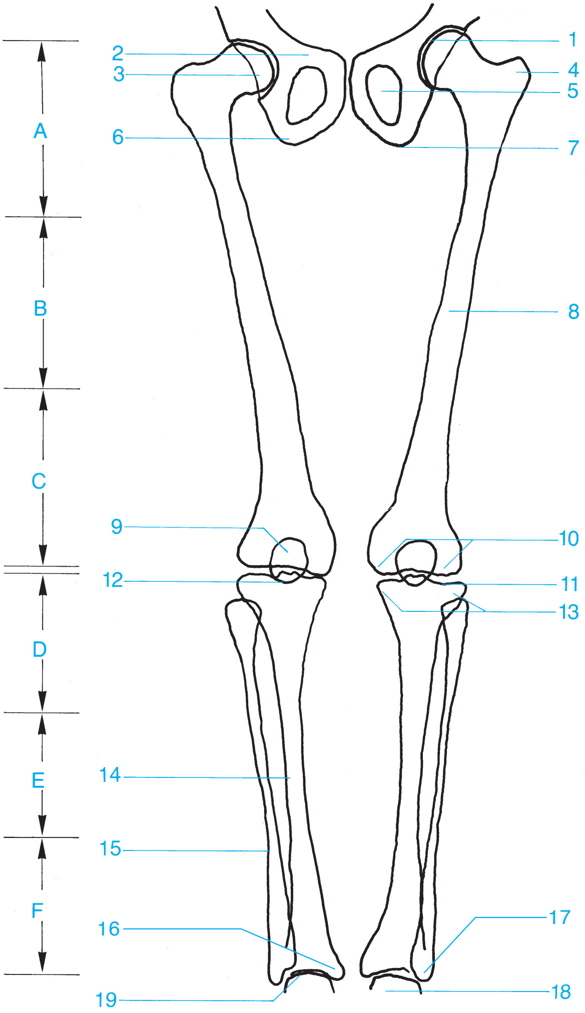




1	Distal phalanx (tuft)	**6**	Head of the proximal phalanx
2	Distal phalanx	**7**	Proximal phalanx
3	Distal interphalangeal joint	**8**	Base of the proximal phalanx
4	Middle phalanx	**9**	Metacarpophalangeal joint
5	Proximal interphalangeal joint	**10**	Metacarpal



A	Proximal third of the femur
B	Middle third of the femur
C	Distal third of the femur
D	Proximal third of the lower leg
E	Medial third of the lower leg
F	Distal third of the lower leg
1	Joint space of the hip
2	Pubic bone
3	Femoral head
4	Greater trochanter
5	Obturator foramen
6	Ischium
7	Ischial tuberosity
8	Femur
9	Patella
10	Medial and lateral femoral condyles
11	Joint space of the knee
12	Intercondylar eminence
13	Medial and lateral tibial condyles
14	Tibia
15	Fibula
16	Medial malleolus
17	Lateral malleolus
18	Trochlea of the talus
19	Ankle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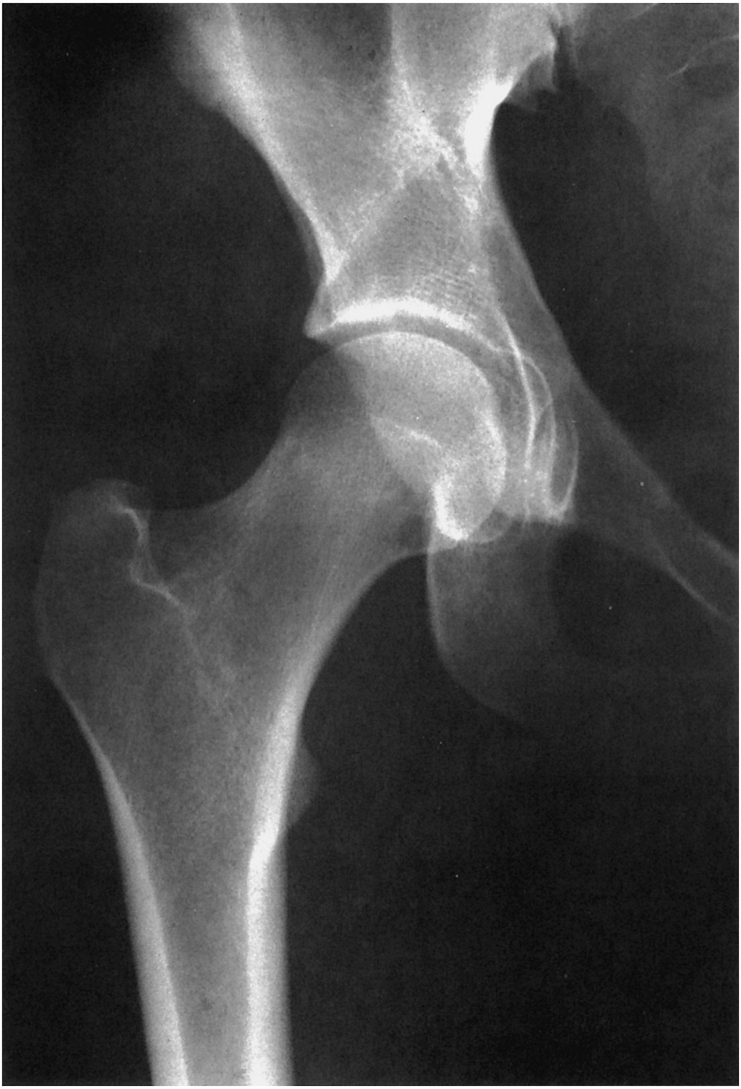
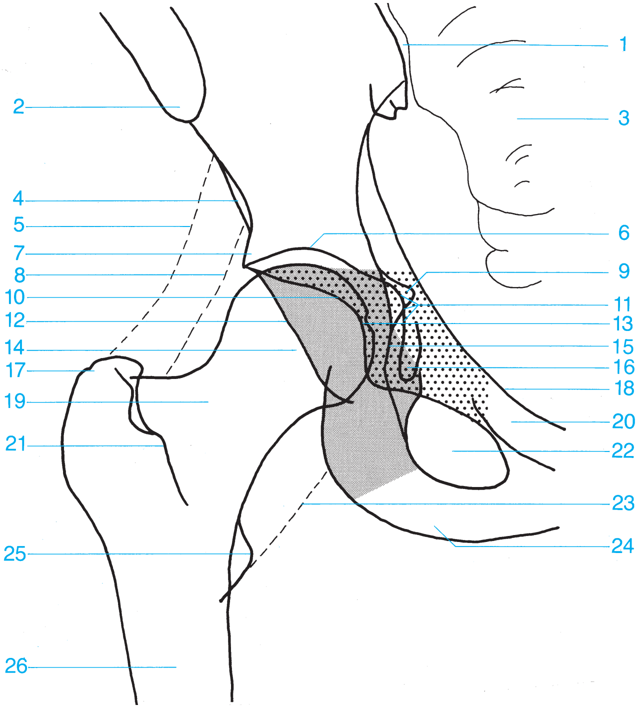
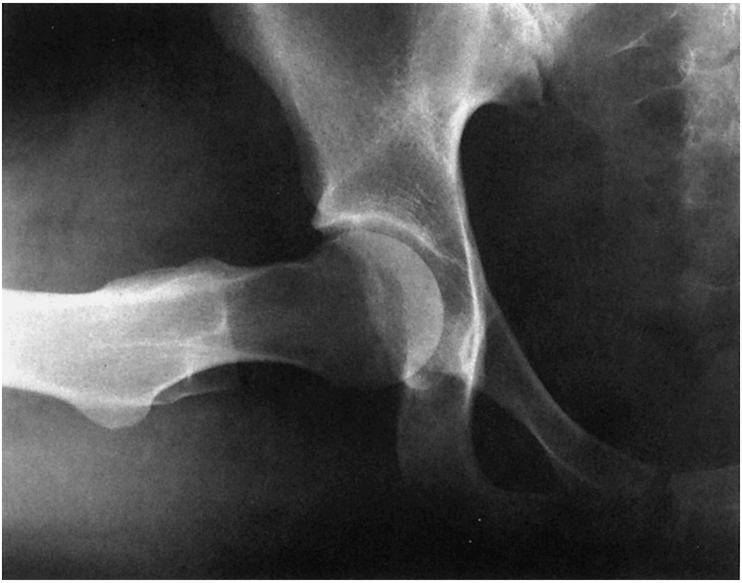
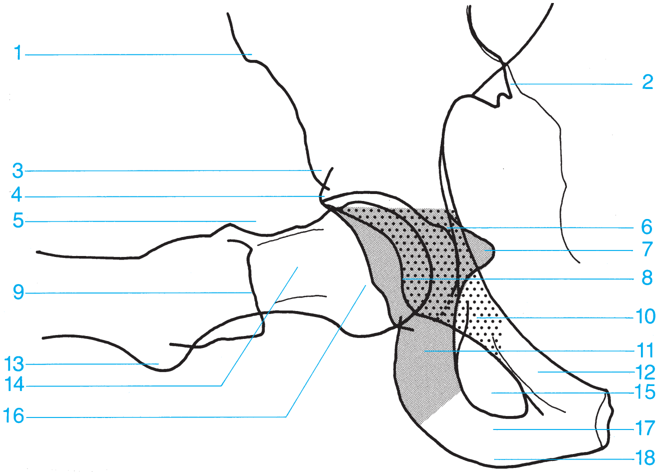


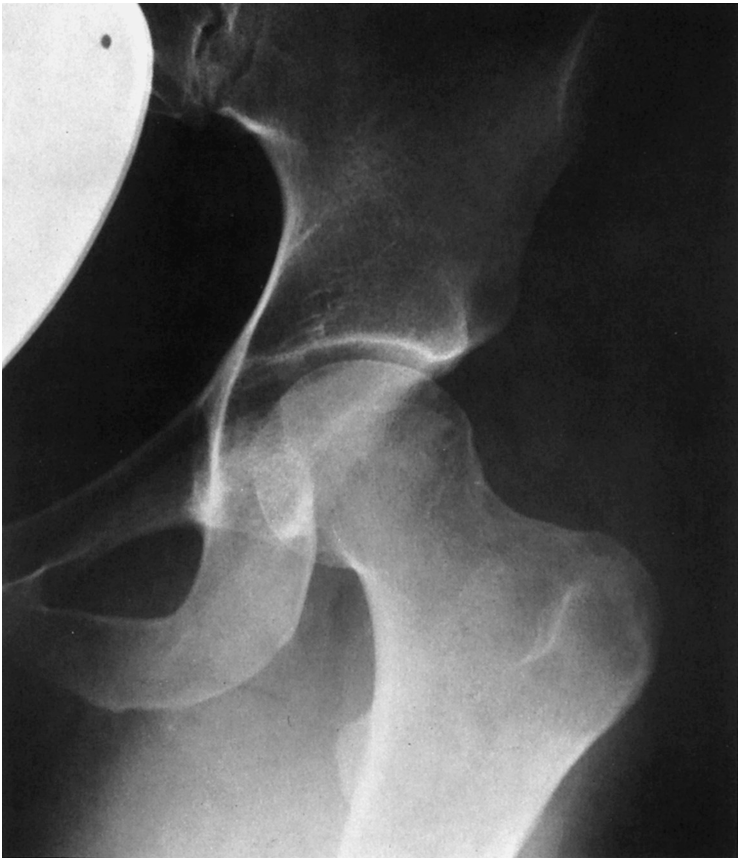


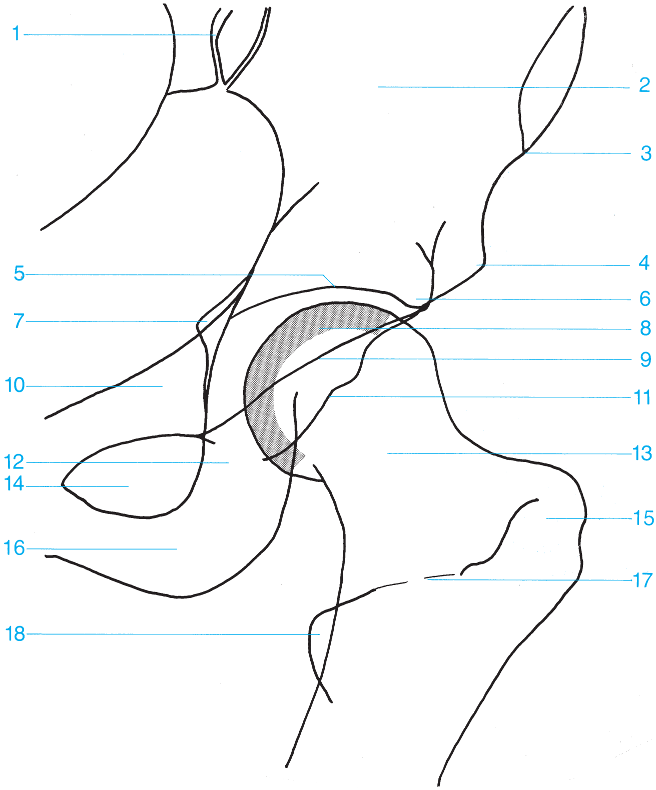
1	Sacroiliac joint
2	Anterior superior iliac spine
3	Sacrum
4	Anterior inferior iliac spine
5	Intergluteal fat stripe
6	Roof of the acetabulum
7	Acetabular convexity (promontory)
8	Fat stripe medial to the gluteus minimus
9	Spine of the ischium
10	Anterior acetabular rim
11	Floor of the acetabulum
12	Posterior acetabular rim
13	Fovea of the femoral head
14	Femoral head
15	Ilioischial line
16	Köhler’s teardrop figure
17	Greater trochanter
18	Terminal line
19	Femoral neck
20	Superior pubic ramus
21	Intertrochanteric crest
22	Obturator foramen
23	Fat stripe medial to the iliopsoas
24	Ischial tuberosity
25	Lesser trochanter
26	Femur
▒	Ischium (posterior column)
░	Pubic bone, anterior column (anterior column)



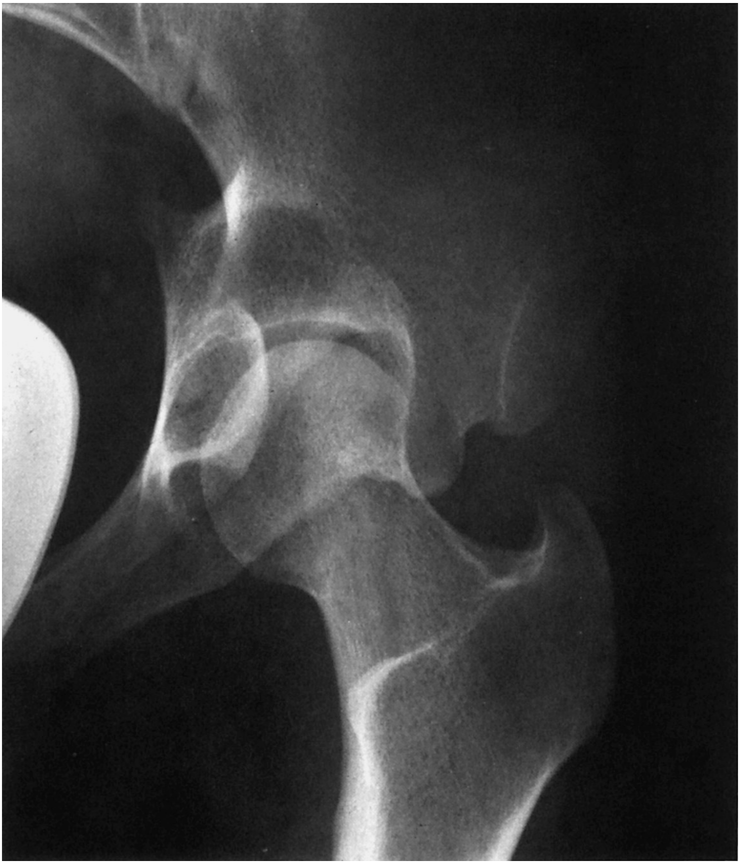


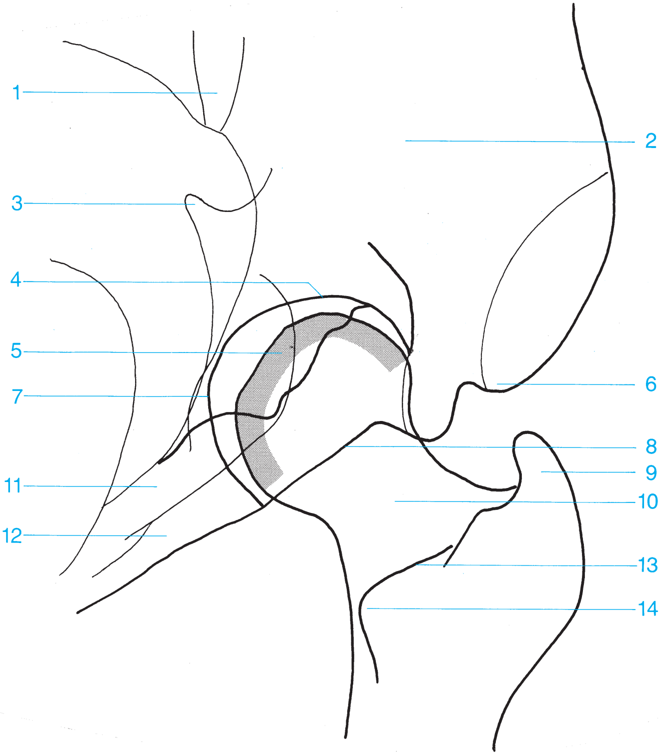
1	Anterior superior iliac spine
2	Sacroiliac joint
3	Anterior inferior iliac spine
4	Superior acetabular rim
5	Posterior acetabular rim
6	Floor of the acetabulum
7	Spine of the ischium
8	Anterior acetabular rim
9	Greater trochanter
10	Pubic bone (anterior column)
11	Ischium (posterior column)
12	Superior pubic ramus
13	Lesser trochanter
14	Femoral neck
15	Obturator foramen
16	Femoral head
17	Inferior pubic ramus
18	Ischial tuberosity
▦	Pubic bone
▨	Ischium



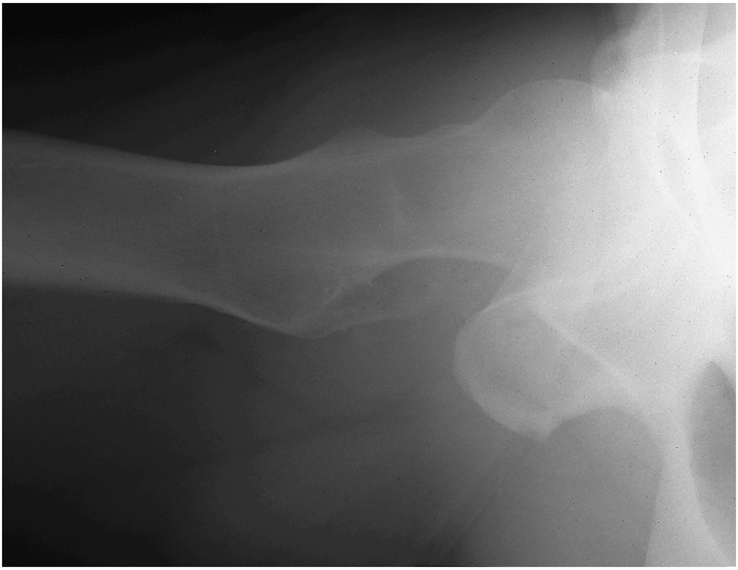


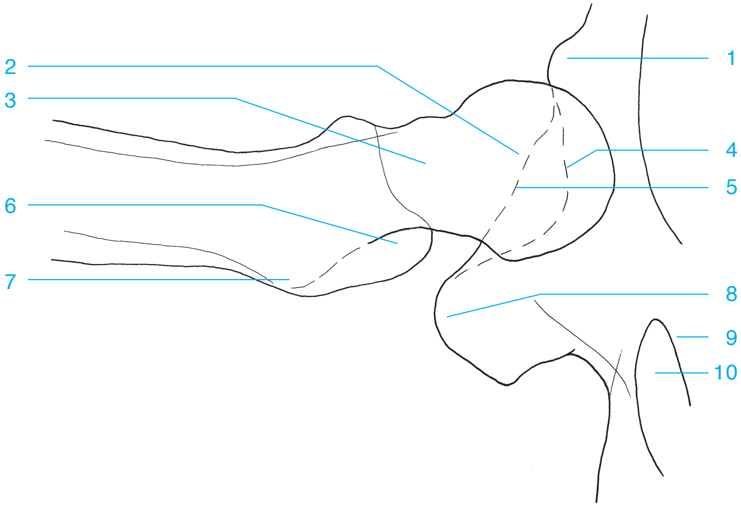
1	Sacroiliac joint	**10**	Pubic bone (anterior column)
2	Ilium	**11**	Posterior acetabular rim
3	Anterior superior iliac spine	**12**	Ischium
4	Anterior inferior iliac spine	**13**	Femoral neck
5	Roof of the acetabulum	**14**	Obturator foramen
6	Superior acetabular rim	**15**	Greater trochanter
7	Spine of the ischium	**16**	Ischial tuberosity
8	Anterior articular surface of the femoral head	**17**	Intertrochanteric crest
9	Anterior acetabular rim	**18**	Lesser trochanter



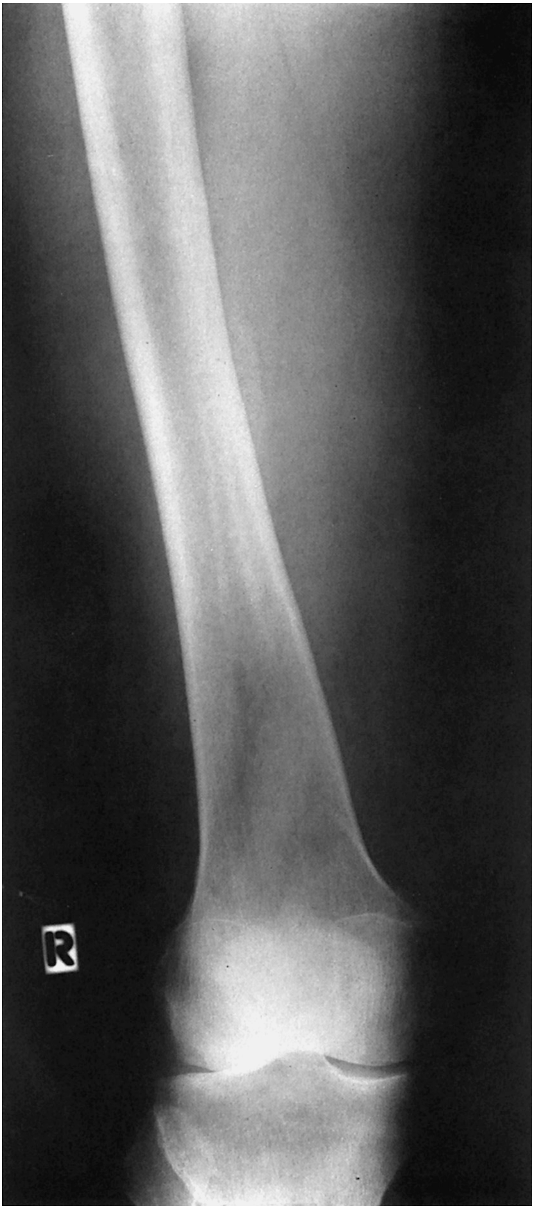


1 Sacroiliac joint
2 Iliac bone
3 Spine of the ischium
4 Roof of the acetabulum
5 Posterior articular surface of the femoral head
6 Anterior superior iliac spine
7 Floor of the acetabulum
8 Anterior acetabular rim
9 Greater trochanter
10 Femoral neck
11 Ischium
12 Pubic bone
13 Intertrochanteric crest
14 Lesser trochanter





1	Anterior inferior iliac spine	**6**	Greater trochanter
2	Femoral head	**7**	Lesser trochanter
3	Femoral neck	**8**	Ischial tuberosity
4	Anterior acetabular rim	**9**	Pubic bone
5	Posterior acetabular rim	**10**	Obturator foramen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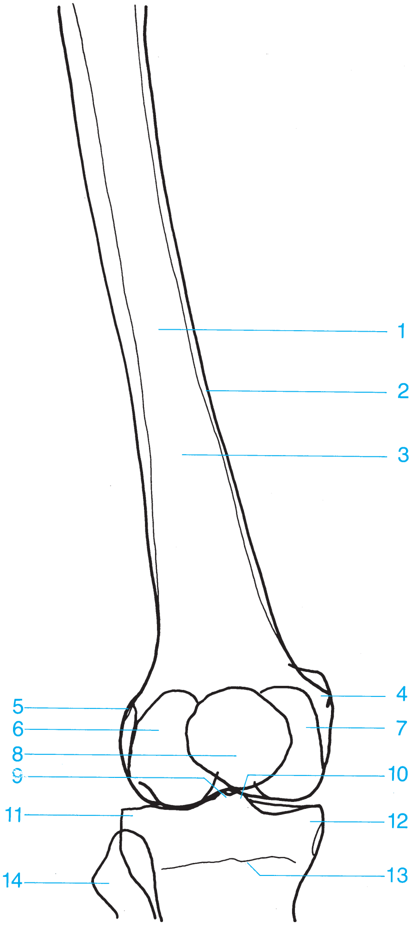
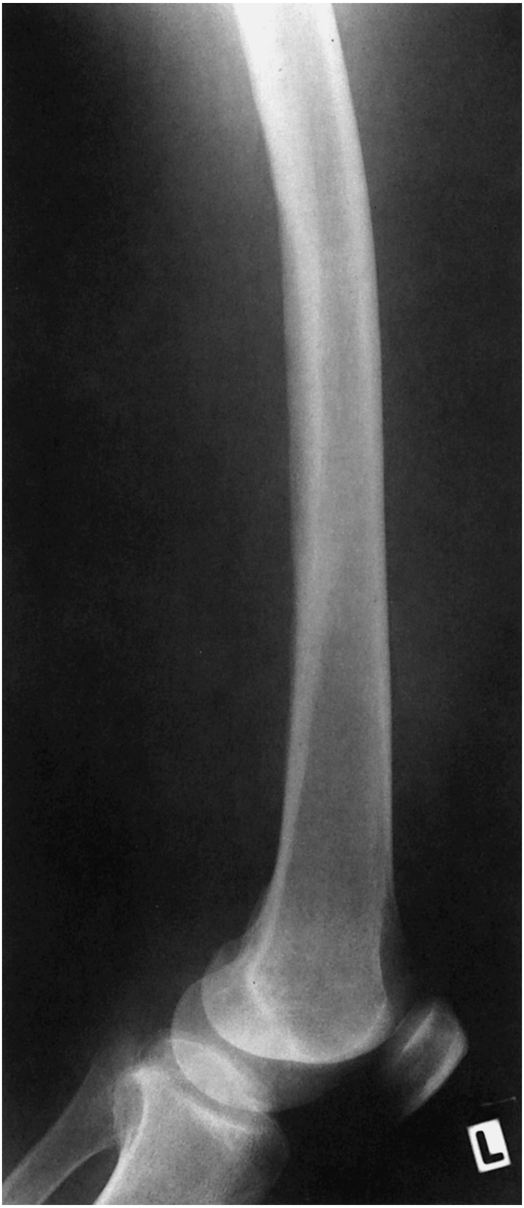


1	Femoral shaft	**9**	Lateral tubercle of the intercondylar eminence
2	Cortex	**10**	Medial tubercle of the intercondylar eminence
3	Medullary canal	**11**	Lateral tibial condyle
4	Medial femoral epicondyle	**12**	Medial tibial condyle
5	Lateral femoral epicondyle	**13**	Growth plate
6	Lateral femoral condyle	**14**	Fibular head
7	Medial femoral condyle		
8	Patella		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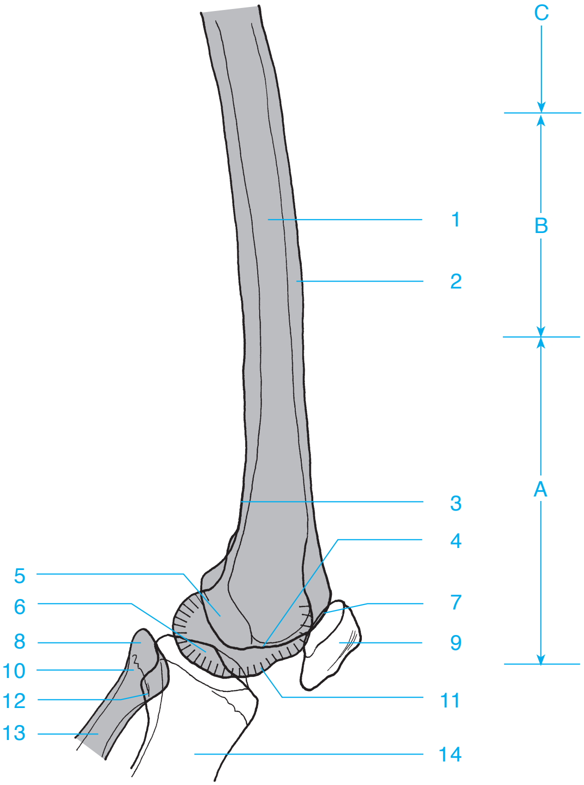
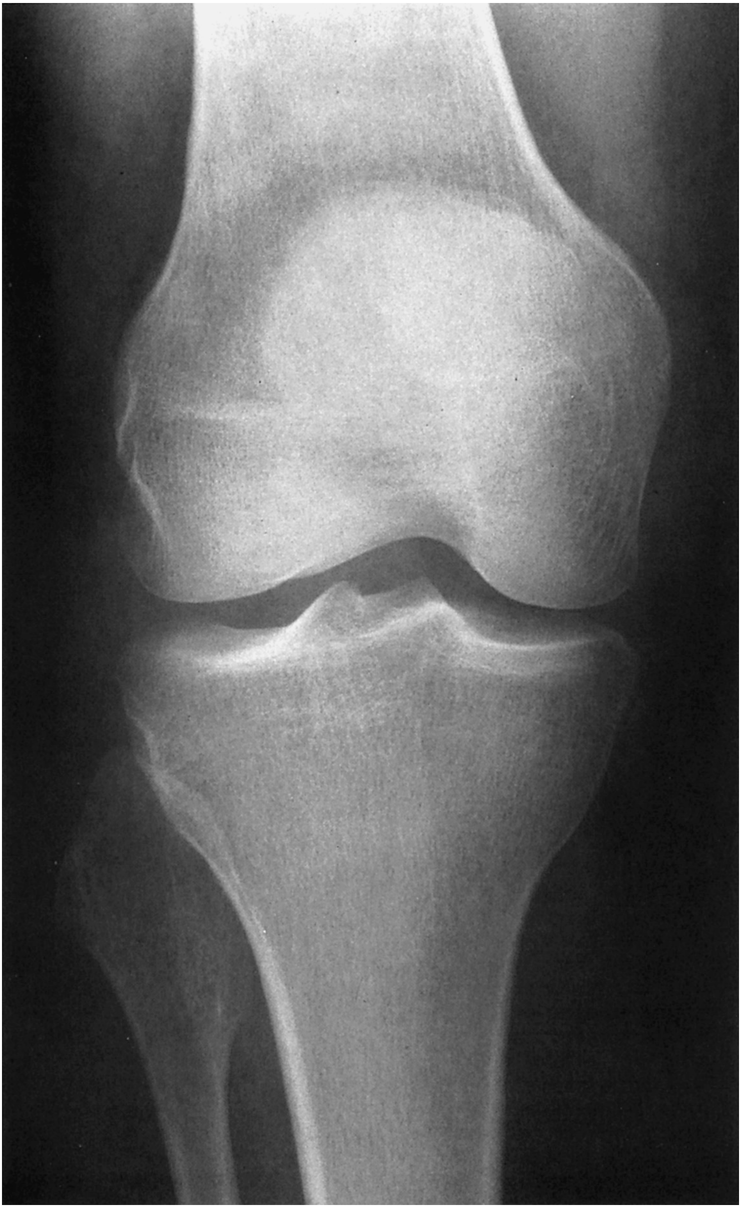
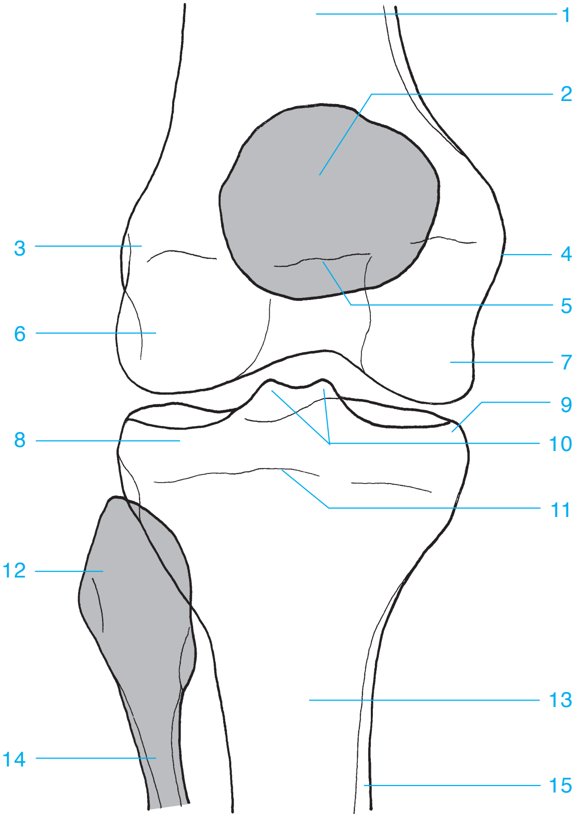
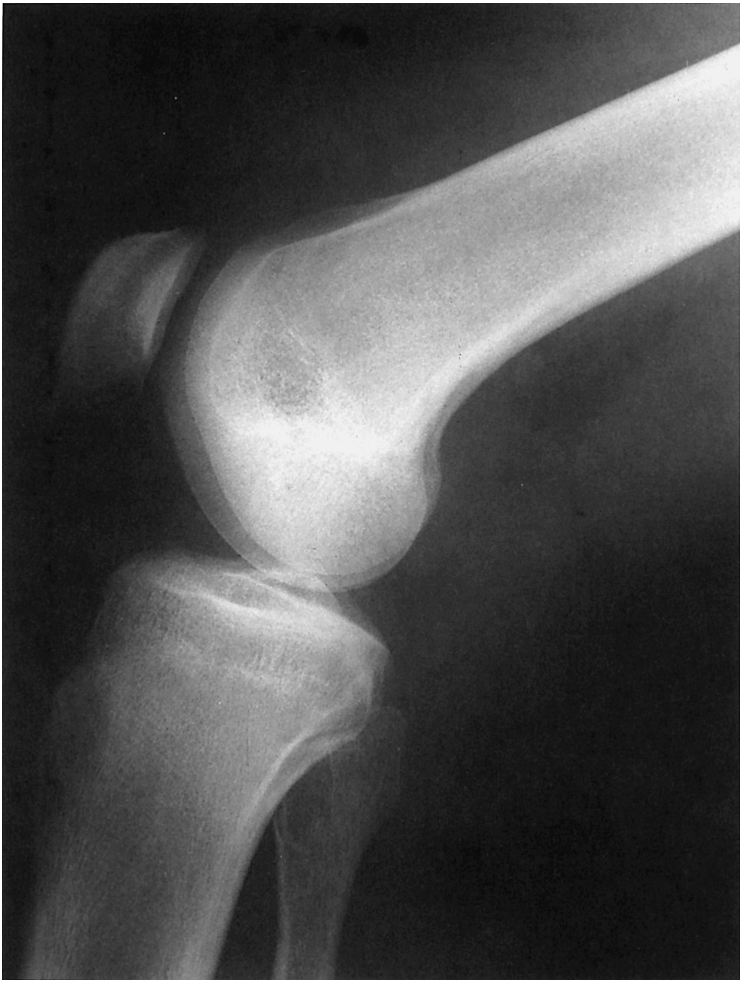


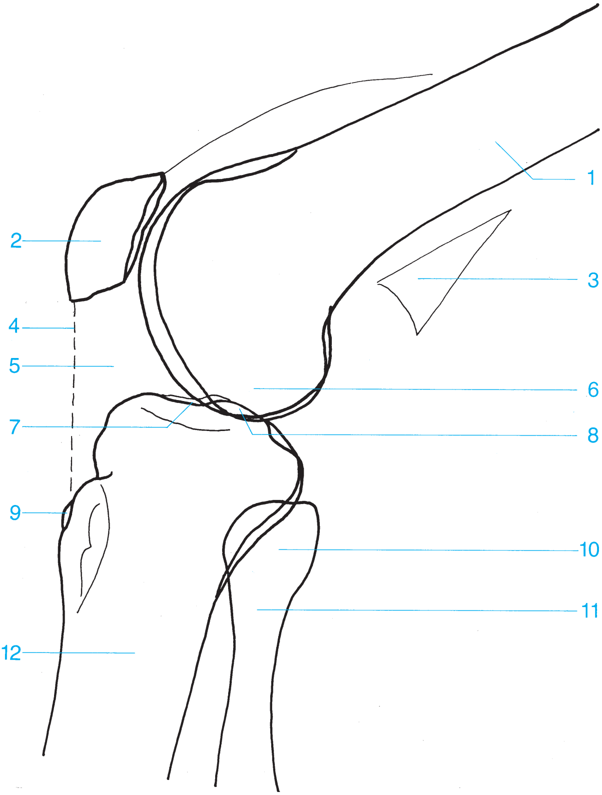
A	Distal third of the femur
B	Middle third of the femur
C	Proximal third of the femur
1	Femur
2	Cortex
3	Popliteal fossa
4	Lateral femoral condyle
5	Intercondylar fossa
6	Intercondylar eminence
7	Patellofemoral joint
8	Apex of the fibular head
9	Patella
10	Fibular head
11	Medial femoral condyle a Opposite the lateral tibial condyle, which articulates with the fibula. b Regardless of the lateral position, the corresponding lateral articular surfaces of the patella and femur are longer proximal to distal than the corresponding medial articular surfaces.
12	Tibiofibular joint
13	Fibula
14	Tibia



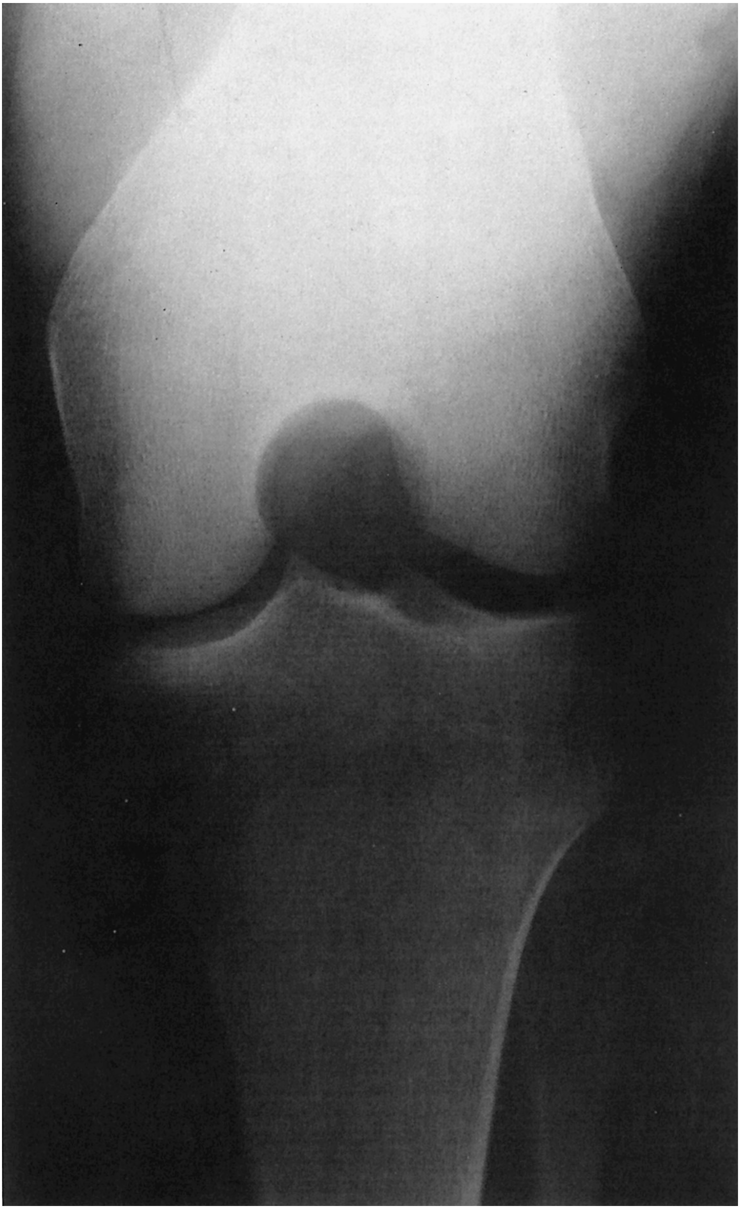


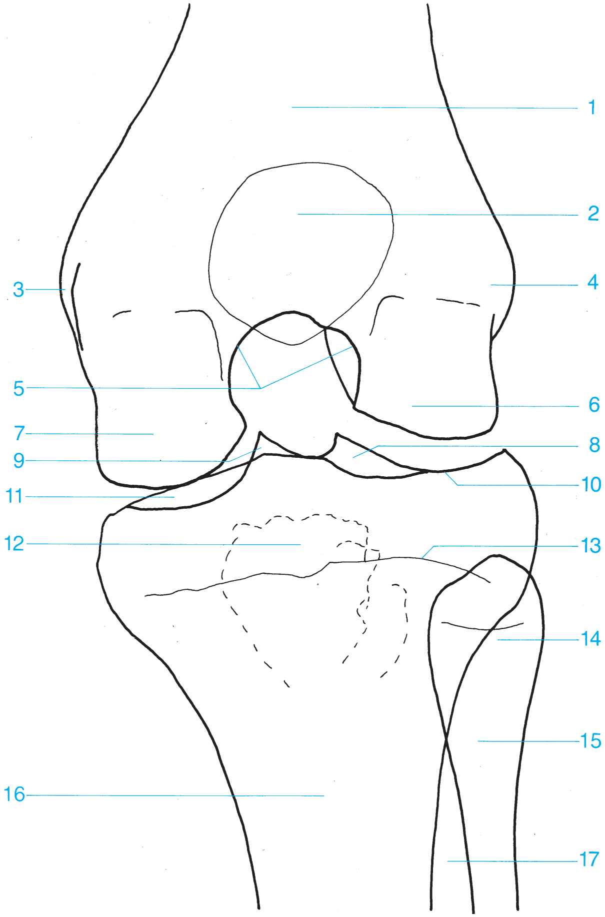
1 Femur
2 Patella
3 Lateral femoral epicondyle
4 Medial femoral epicondyle
5 Growth plate
6 Lateral femoral condyle
7 Medial femoral condyle
8 Lateral tibial condyle
9 Medial tibial condyle
10 Medial and lateral tubercles of the intercondylar eminence
11 Epiphyseal plate
12 Fibular head
13 Tibia
14 Fibula
15 Cortex



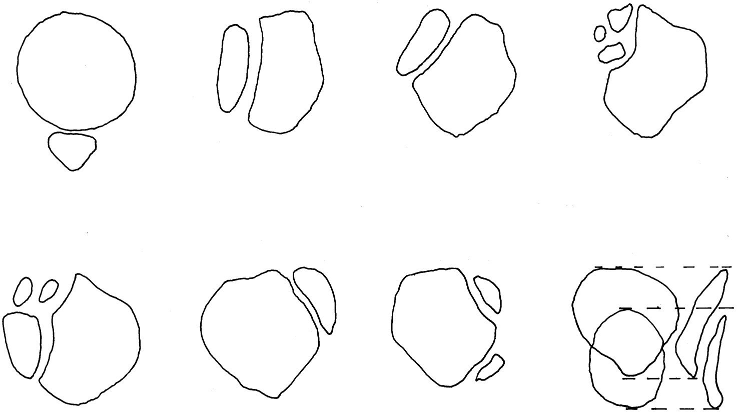


1	Femur	**7**	Tibial plateau
2	Patella	**8**	Intercondylar eminence
3	Posterior fat	**9**	Tibial tuberosity
4	Patellar ligament	**10**	Fibular head
5	Infrapatellar fat pad	**11**	Fibular neck
6	Lateral femoral condyle	**12**	Tibia

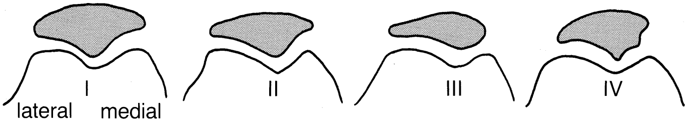




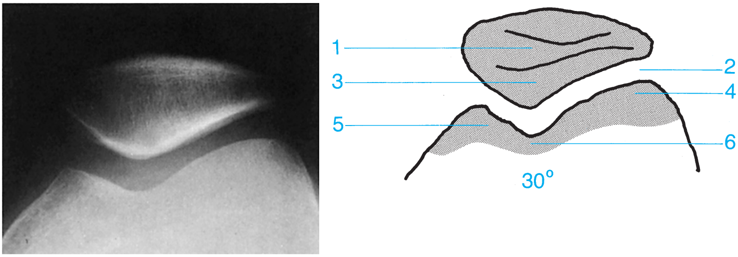
1	Femur	**9**	Medial tubercle of the intercondylar eminence
2	Patella	**10**	Lateral tibial plateau
3	Medial femoral epicondyle	**11**	Medial tibial plateau
4	Lateral femoral epicondyle	**12**	Tibial tuberosity
5	Intercondylar fossa	**13**	Growth plate
6	Lateral femoral condyle	**14**	Fibular head
7	Medial femoral condyle	**15**	Fibular neck
8	Lateral tubercle of the intercondylar eminence	**16**	Tibia
		17	Interosseous membrane

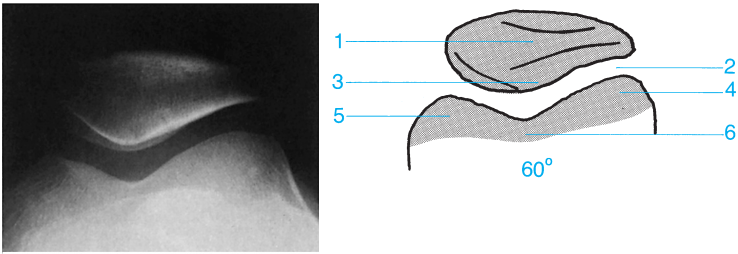


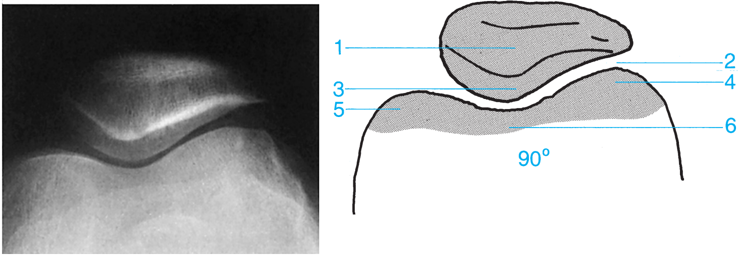
Most common forms of multipartite patella (as described by Schaer).


I
lateral
medial
II
III
IV

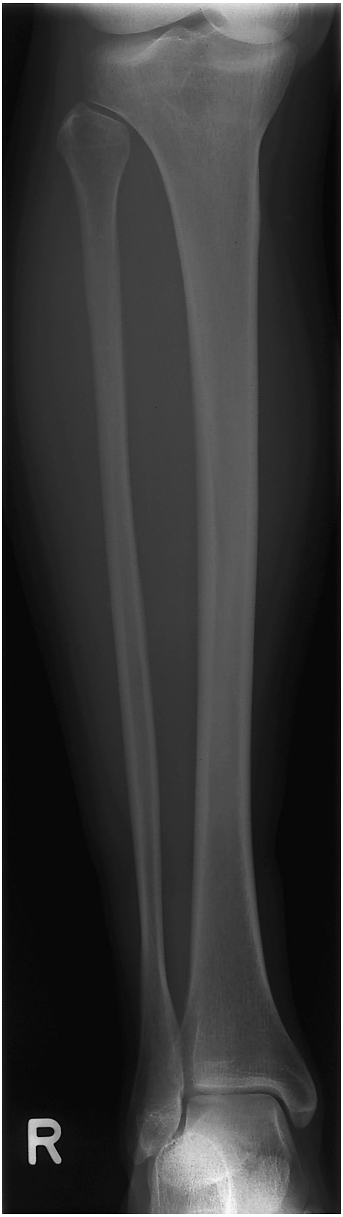
Wiberg's classification of patellar shapes (right knee)







1 Patella
2 Patellofemoral joint
3 Articular surface
4 Lateral femoral condyle (generally larger)
5 Medial femoral condyle
6 Intercondylar fossa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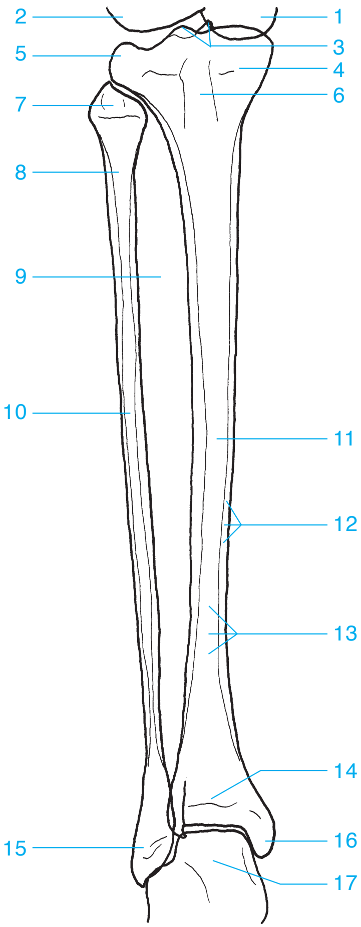
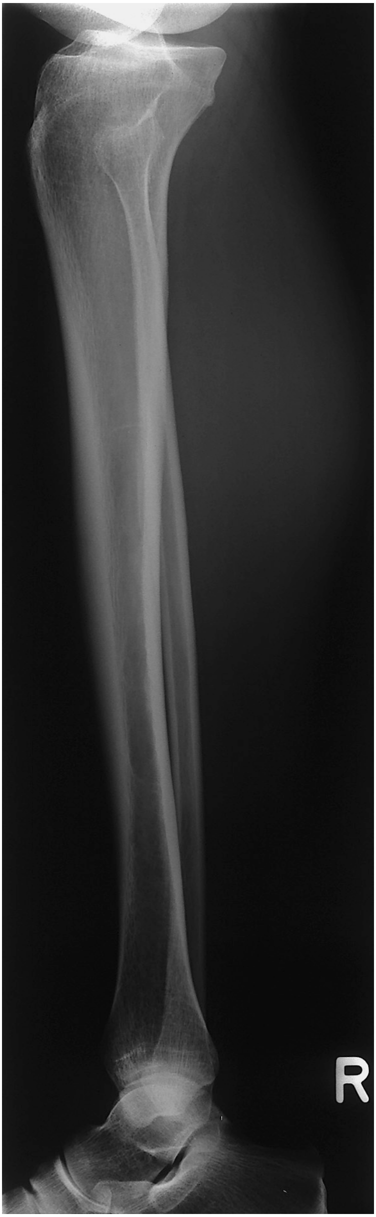


1 Medial femoral condyle
2 Lateral femoral condyle
3 Medial and lateral tubercles of the intercondylar eminence
4 Medial tibial condyle
5 Lateral tibial condyle
6 Tibial tuberosity
7 Fibular head
8 Fibular neck
9 Interosseous membrane
10 Fibula
11 Tibia
12 Cortex
13 Medullary canal
14 Growth plate
15 Lateral malleolus
16 Medial malleolus
17 Talus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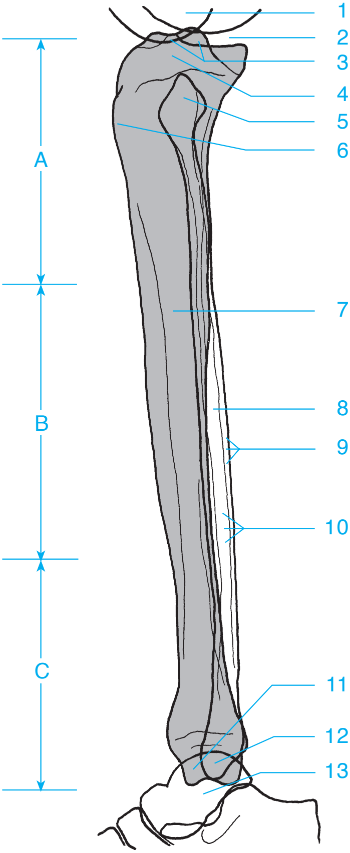
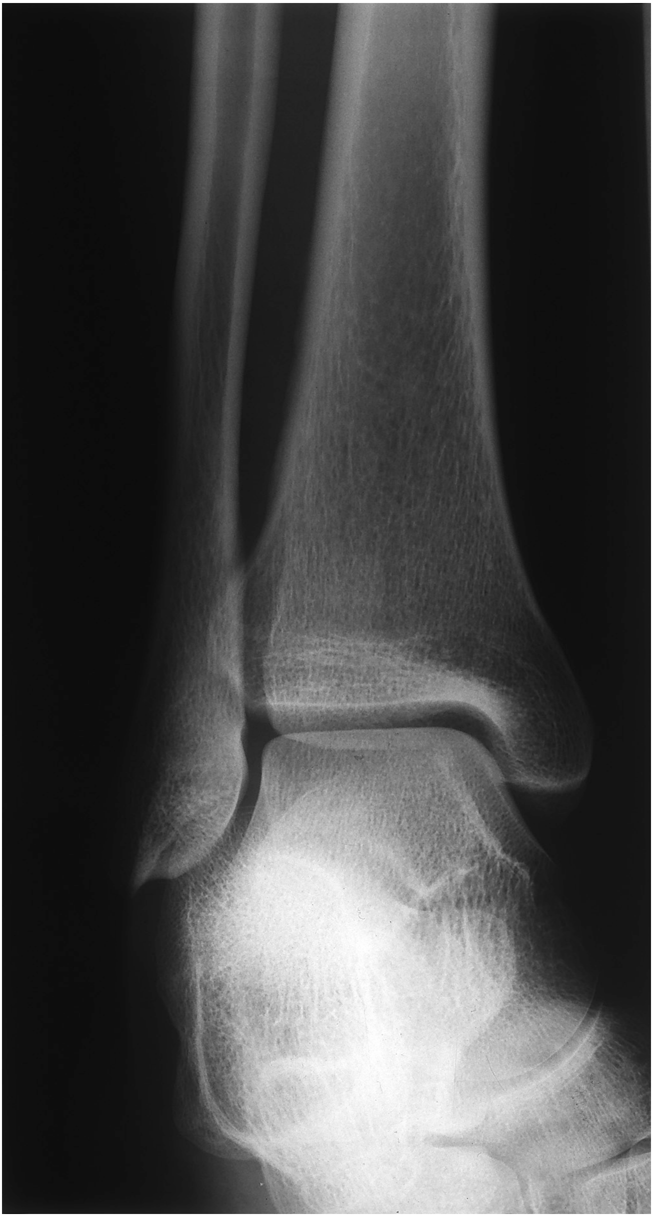
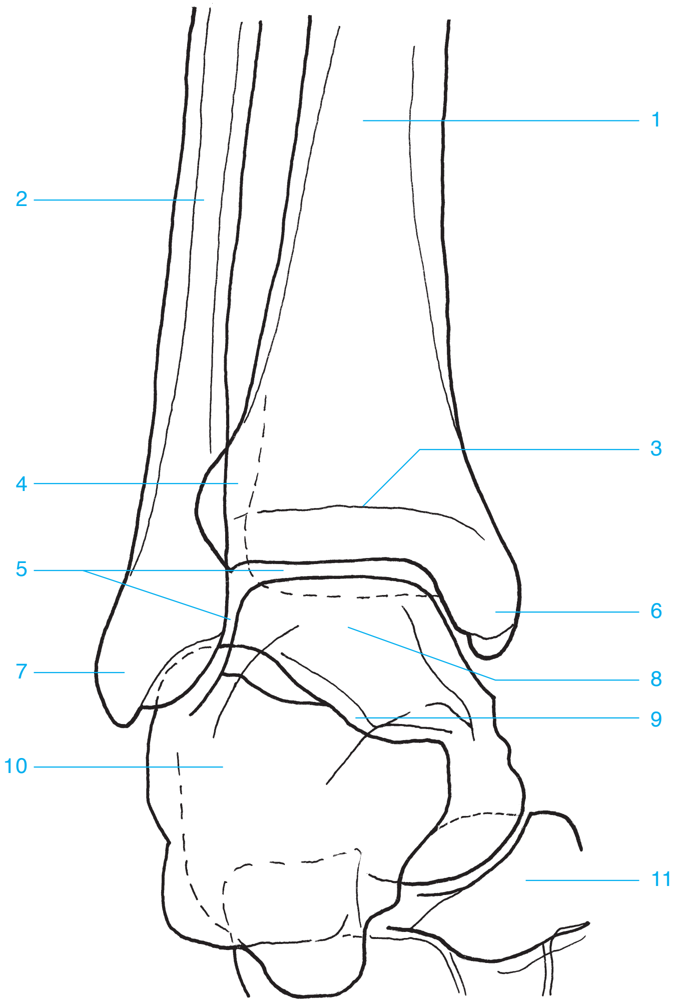
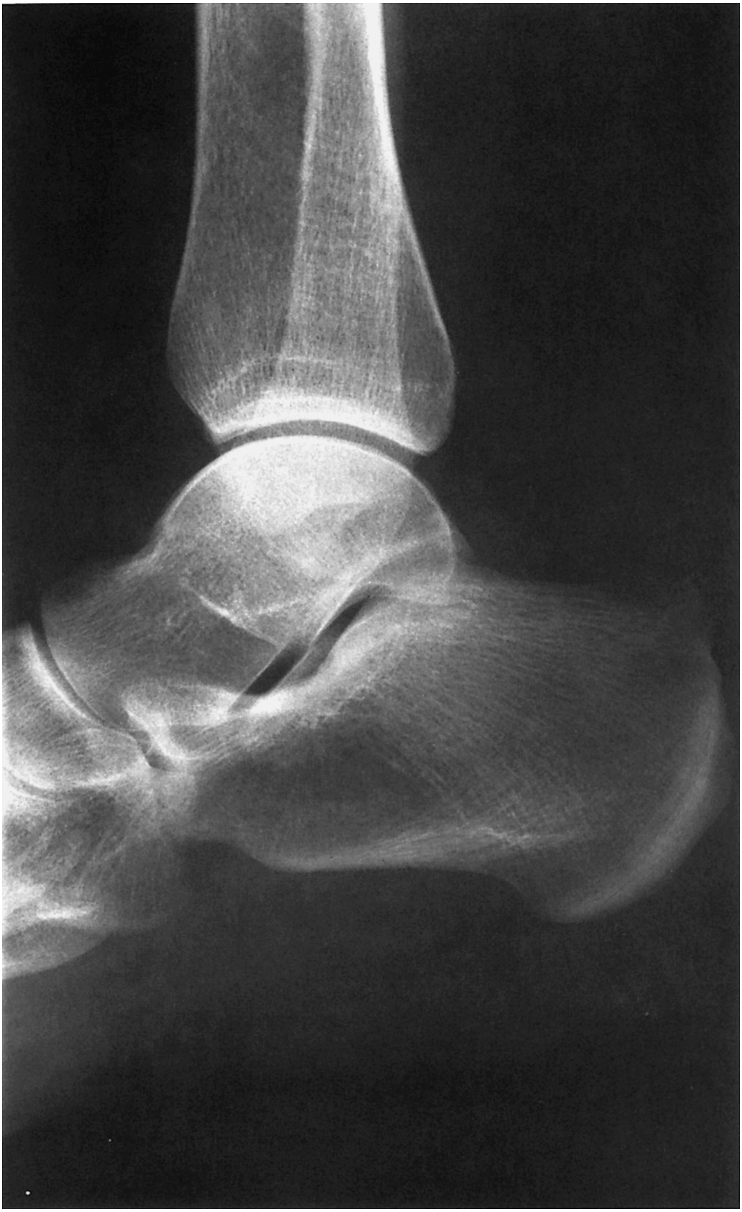


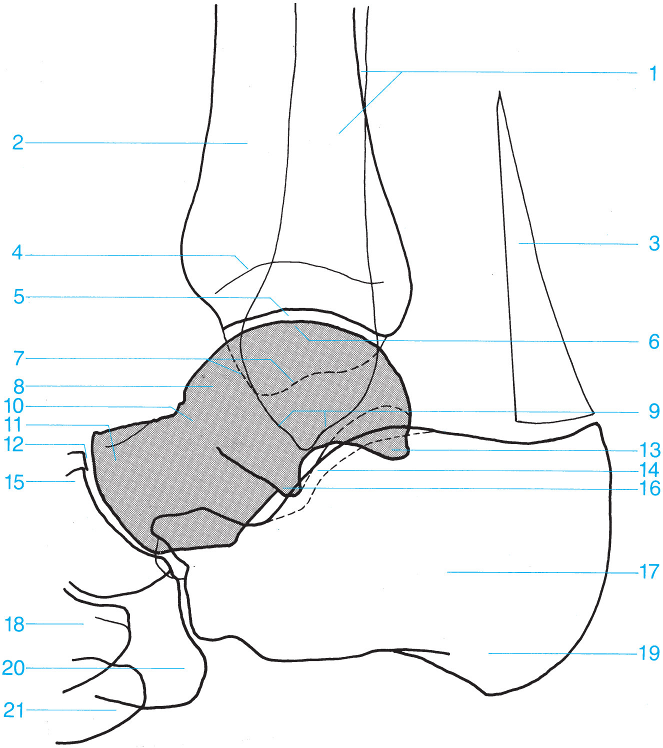
A	Proximal third of the lower leg	**6**	Proximal tibial apophysis (in children)
B	Middle third of the lower leg	**7**	Tibia
C	Distal third of the lower leg	**8**	Fibula
1	Medial and lateral femoral condyles	**9**	Cortex
2	Knee	**10**	Medullary canal
3	Intercondylar eminence	**11**	Medial malleus
4	Medial and lateral tibial condyles	**12**	Lateral malleus
5	Fibular head	**13**	Talus



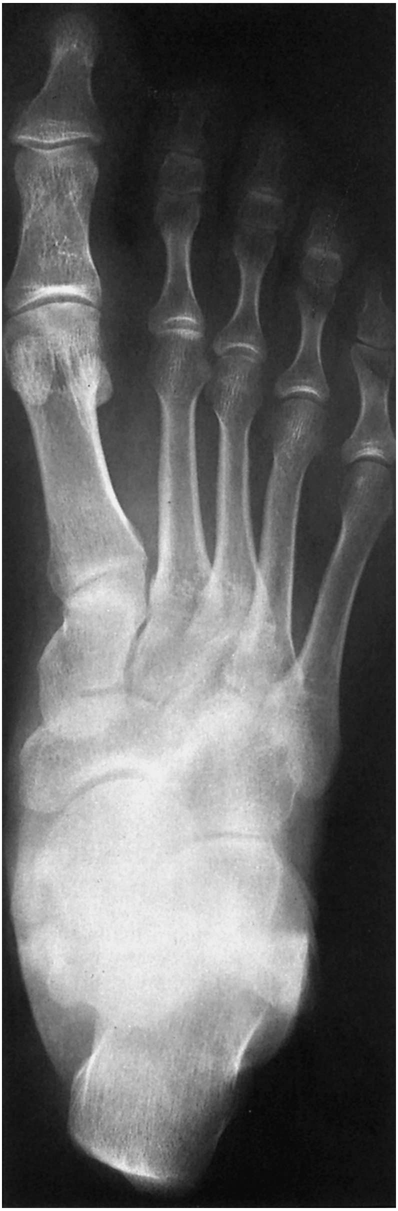


1	Tibia	**7**	Lateral malleolus
2	Fibula	**8**	Trochlea of the talus
3	Growth plate	**9**	Subtalar joint
4	Fibular notch	**10**	Calcaneus
5	Ankle	**11**	Navicular
6	Medial malleolus		

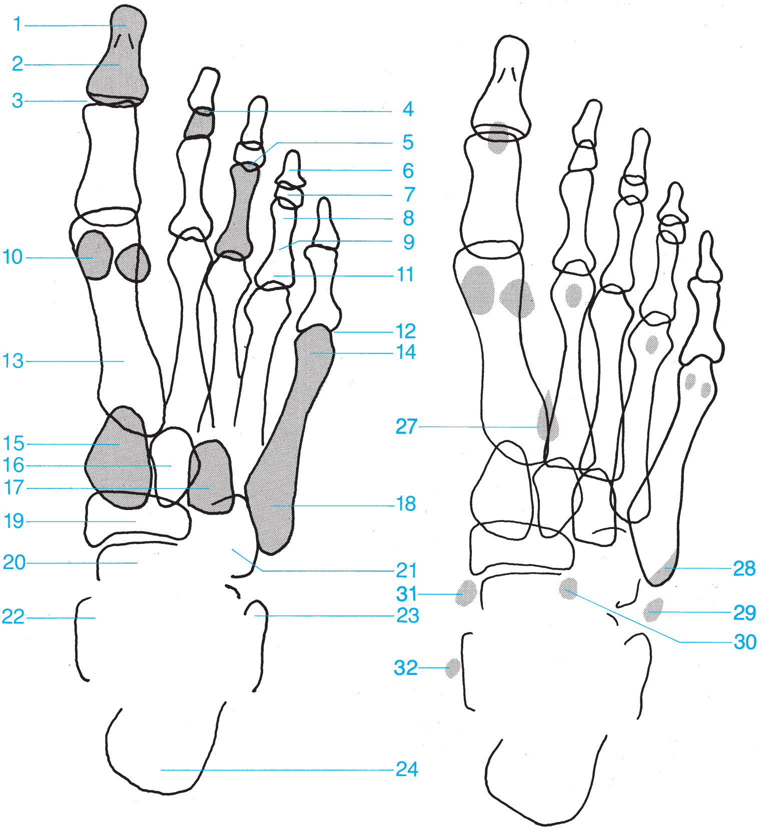




1	Fibula	**12**	Talonavicular joint
2	Tibia	**13**	Posterior process of the talus
3	Achilles tendon	**14**	Sinus tarsi
4	Growth plate	**15**	Navicular
5	Ankle	**16**	Lateral process of the talus
6	Trochlea of the talus	**17**	Calcaneus
7	Medial malleolus	**18**	Medial cuneiform
8	Talus	**19**	Posterior tuberosity of the calcaneus
9	Lateral malleolus	**20**	Cuboid
10	Neck of the talus	**21**	Base of the fifth metatarsal
11	Head of the talus		



1	Distal phalanx (tuft)
2	Distal phalanx of the great toe
3	Distal interphalangeal joint of the great toe
4	Distal interphalangeal joint
5	Proximal interphalangeal joint
6	Distal phalanx
7	Middle phalanx
8	Head of the proximal phalanx
9	Proximal phalanx
10	Sesamoid
11	Base of the phalanx
12	Metatarsophalangeal joint
13	Metatarsal
14	Metatarsal head
15	Medial cuneiform
16	Middle cuneiform
17	Lateral cuneiform
18	Base of the fifth metatarsal
19	Navicular
20	Head of the talus
21	Cuboid
22	Medial malleolus
23	Lateral malleolus
24	Calcaneus
25	Tarsometatarsal joints (Lisfranc's joints)
26	Transverse tarsal joint (Chopart's joint)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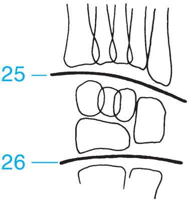
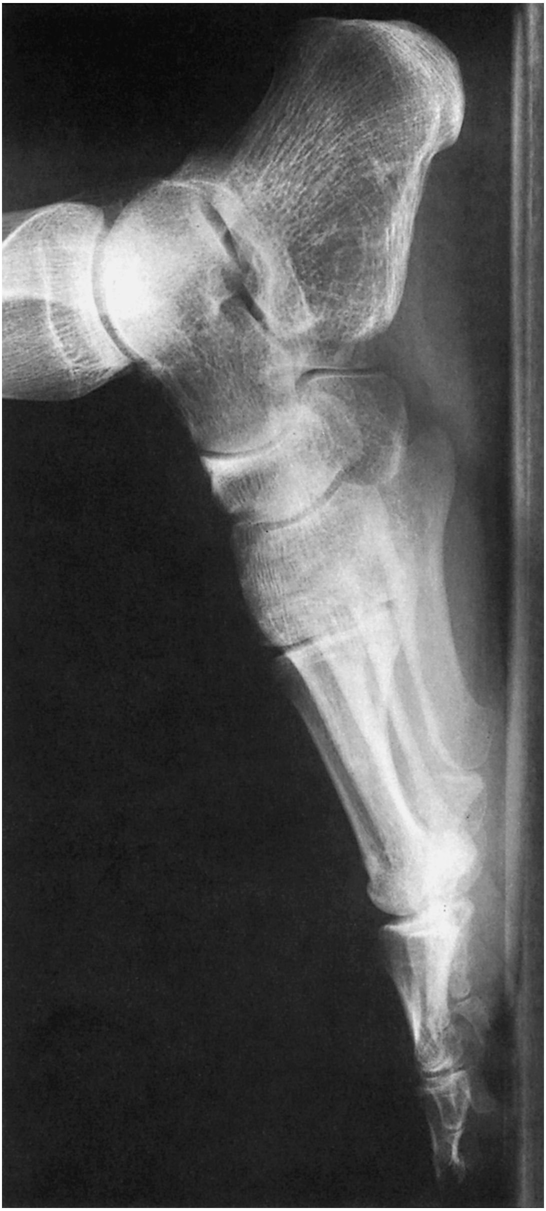
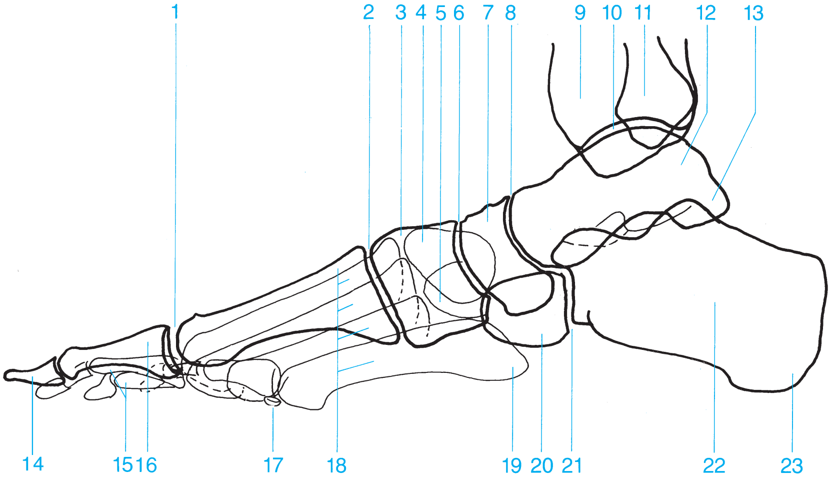
Common sesamoids and accessory bones in the foot.

27 Os intermetatarseum
28 Os vesalianum
29 Os peroneum
30 Secondary cuboid
31 Os tibiale externum
32 Os supratalare

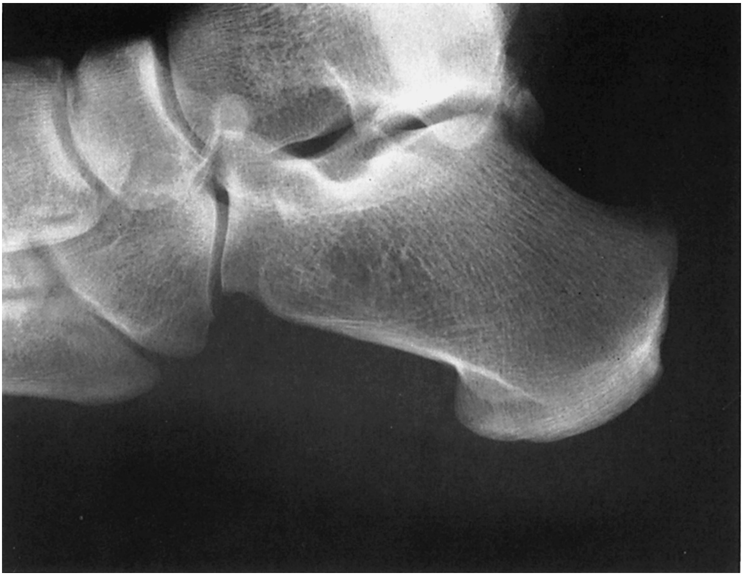


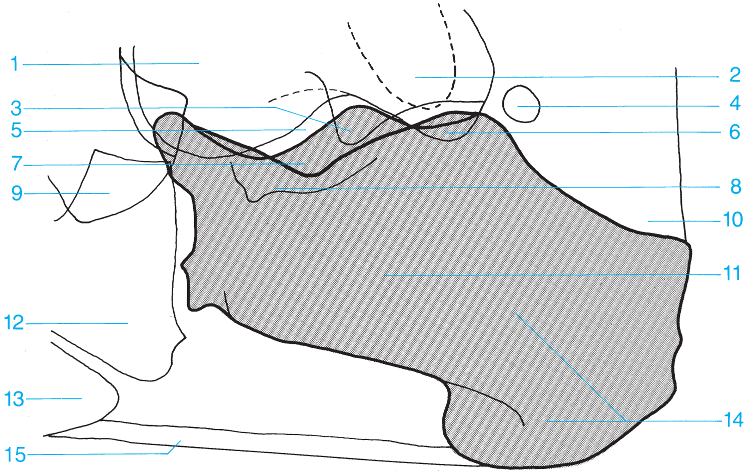


Lateral View of the Foot

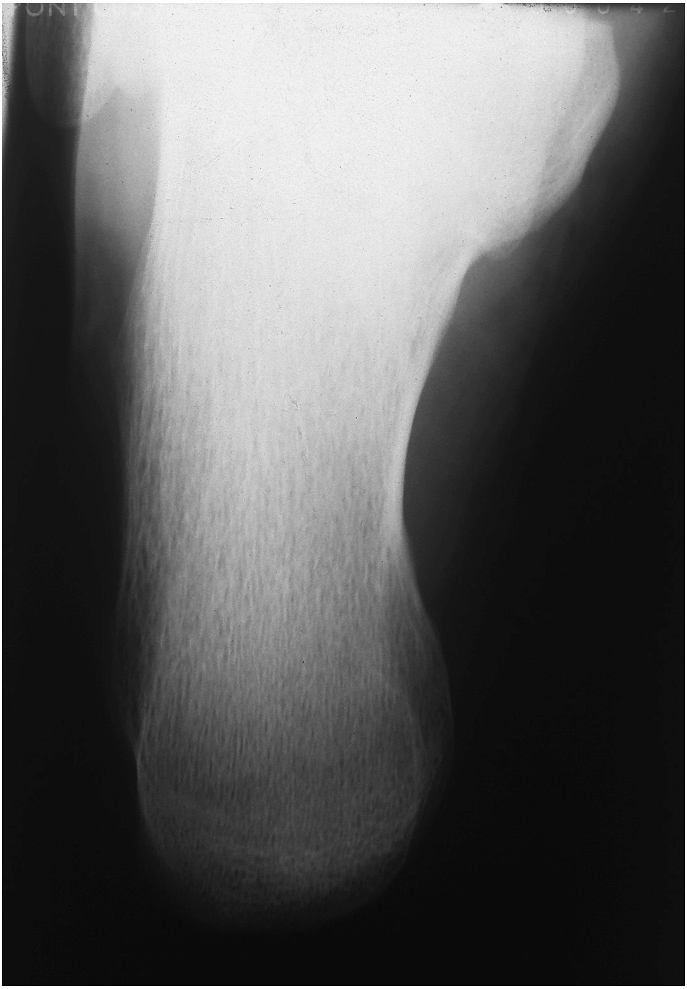


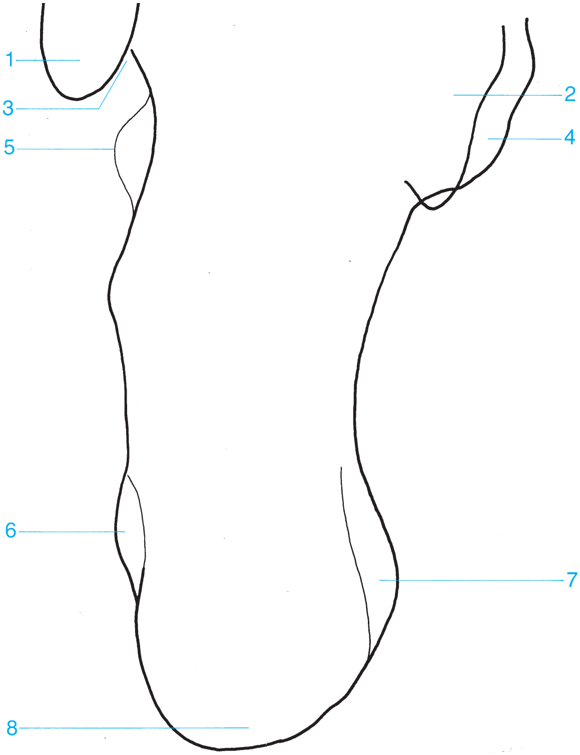
1	Metatarsophalangeal joint
2	Tarsometatarsal joint
3	Medial cuneiform
4	Middle cuneiform
5	Lateral cuneiform
6	Cuneonavicular joint
7	Navicular
8	Talocalcaneonavicular joint
9	Tibia
10	Ankle
11	Fibula
12	Talus
13	Posterior process of the talus
14	Distal phalanx
15	Middle phalanx
16	Proximal phalanx
17	Sesamoid
18	Metatarsal
19	Base of fifth metatarsal
20	Cuboid
21	Calcaneocuboid joint
22	Calcaneus
23	Posterior tuberosity of the calcaneus



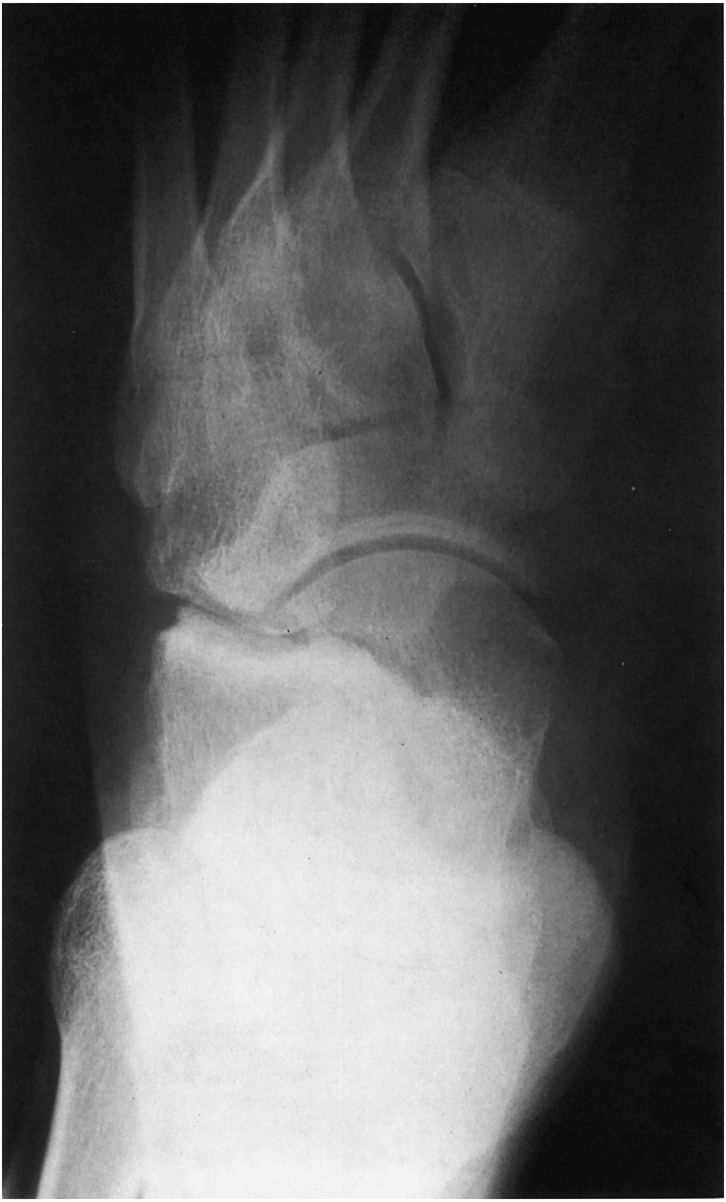


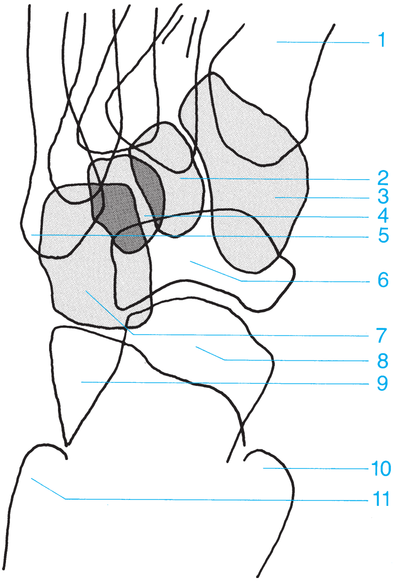
1	Talus	**9**	Navicular
2	Lateral malleolus	**10**	Achilles tendon
3	Lateral process of the talus	**11**	Calcaneus
4	Os trigonum	**12**	Cuboid
5	Subtalar joint	**13**	Base of fifth metatarsal
6	Posterior process of the talus	**14**	Posterior tuberosity of the calcaneus
7	Sinus tarsi	**15**	Plantar aponeurosis
8	Sustentaculum tali		



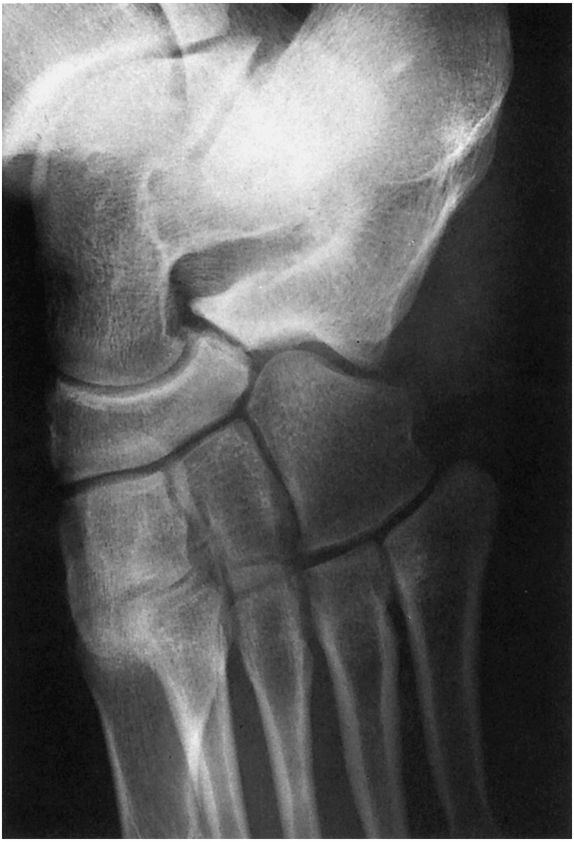


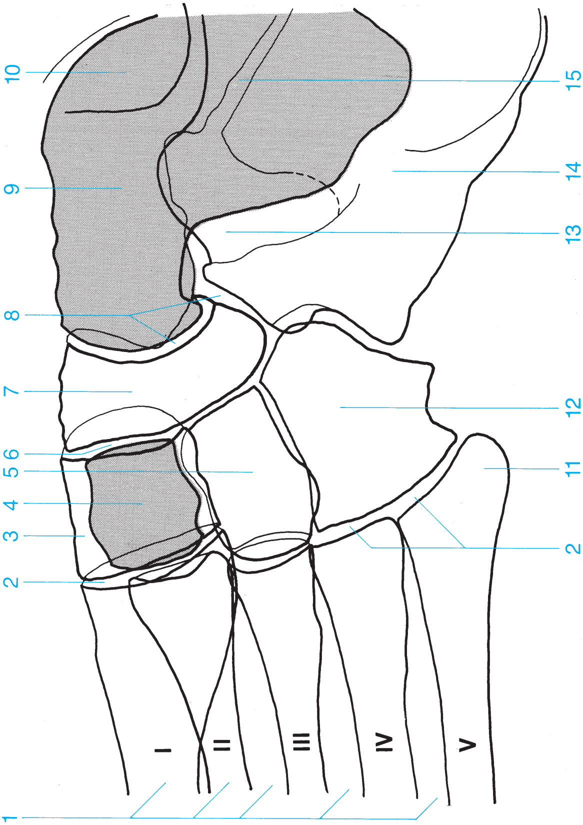
1	Lateral malleolus	**6**	Lateral process of the posterior tuberosity of the calcaneus
2	Talus	**7**	Medial process of the posterior tuberosity of the calcaneus
3	Groove for the peroneus longus tendon	**8**	Posterior tuberosity of the calcaneus
4	Sustentaculum tali		
5	Peroneal trochlea		



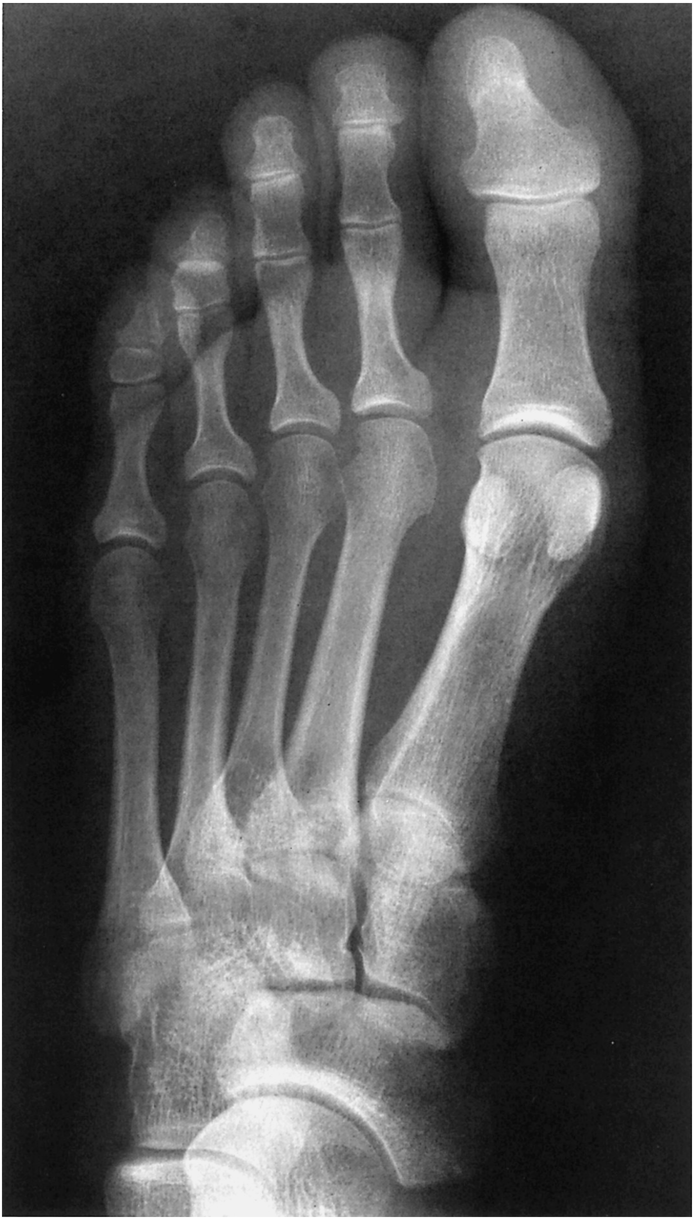


1	Metatarsal	**7**	Cuboid
2	Middle cuneiform	**8**	Head of the talus
3	Medial cuneiform	**9**	Calcaneus
4	Lateral cuneiform	**10**	Medial malleolus
5	Base of the fifth metatarsal	**11**	Lateral malleolus
6	Navicular		

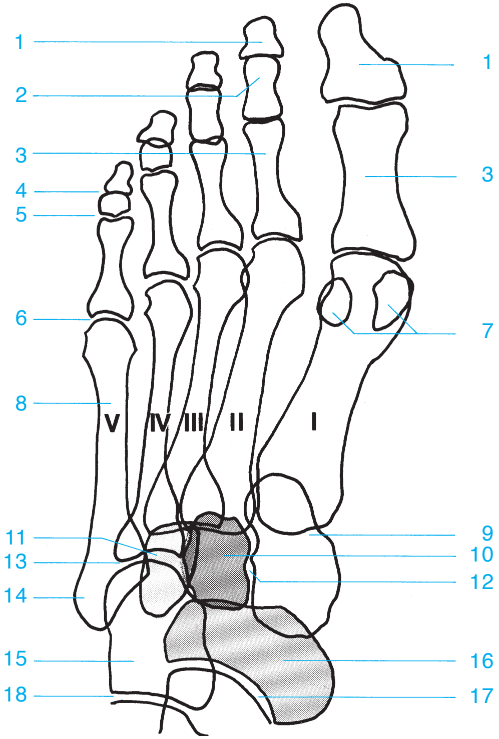




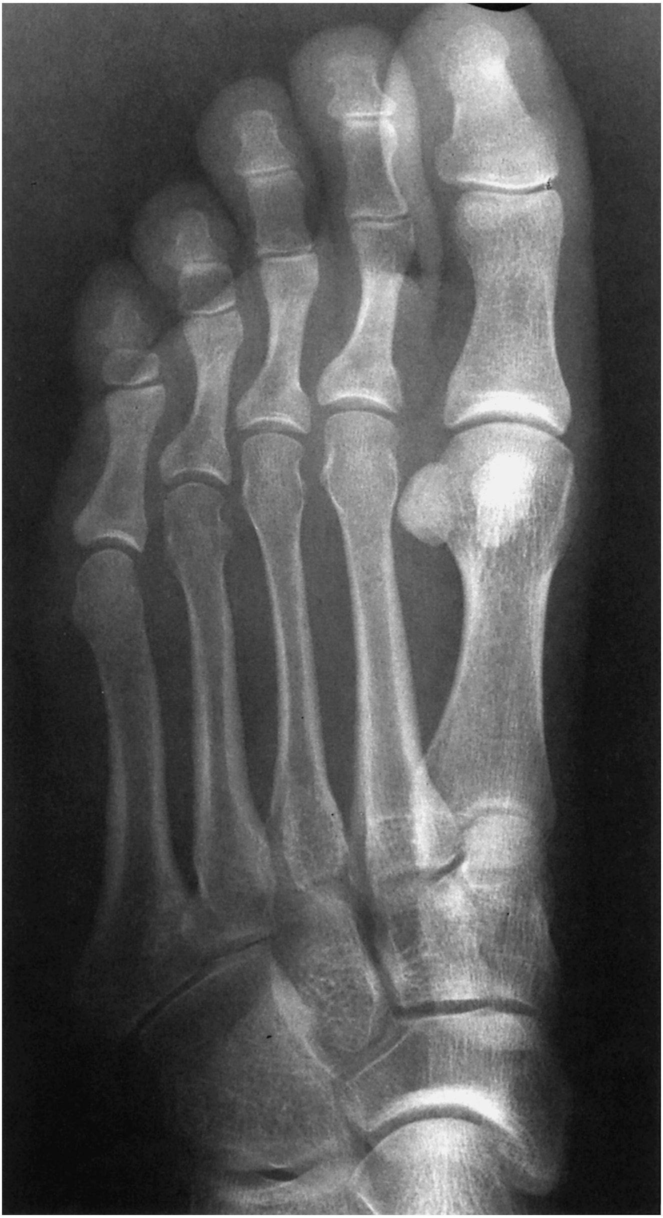
1	Metatarsals
2	Tarsometatarsal joint
3	Medial cuneiform
4	Middle cuneiform
5	Lateral cuneiform
6	Cuneonavicular joint
7	Navicular
8	Talocalcaneonavicular joint
9	Talus
10	Malleolus
11	Base of the fifth metatarsal
12	Cuboid
13	Sinus tarsi
14	Calcaneus
15	Subtalar joint (and talocalcaneonavicular joint)

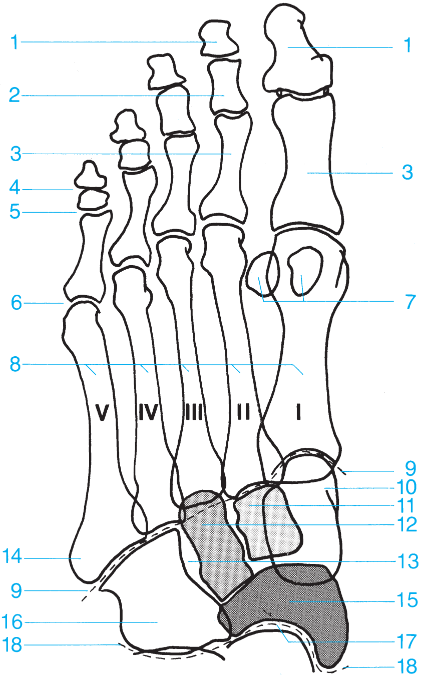


Anterior-Posterior View of the Forefoot

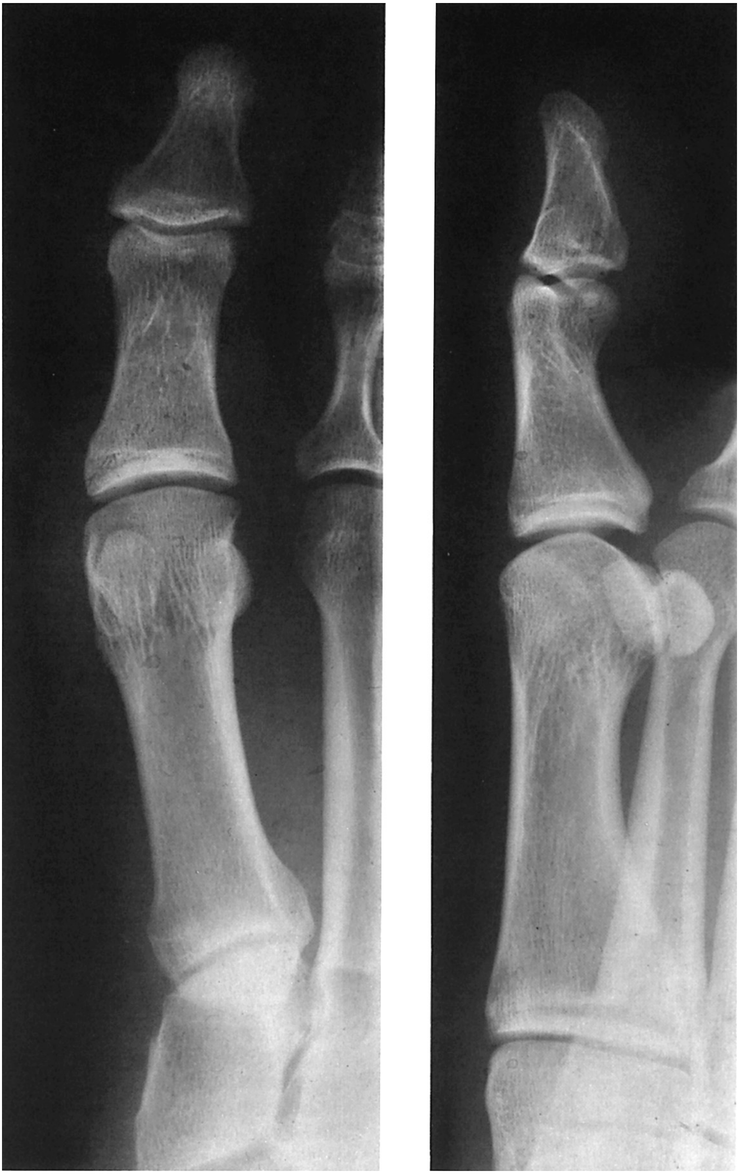


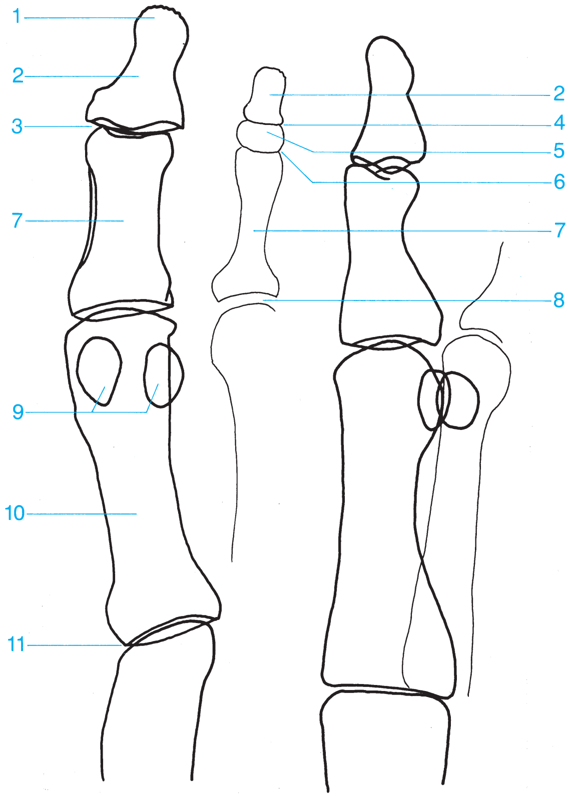
1 Distal phalanx
2 Middle phalanx
3 Proximal phalanx
4 Distal interphalangeal joint
5 Proximal interphalangeal joint
6 Metatarsophalangeal joint
7 Sesamoids
8 Metatarsals
9 Medial cuneiform
10 Middle cuneiform
11 Lateral cuneiform
12 Intertarsal joint
13 Metatarsophalangeal joint
14 Base of the fifth metatarsal
15 Cuboid
16 Navicular
17 Talocalcaneonavicular joint
18 Calcaneocuboid joint





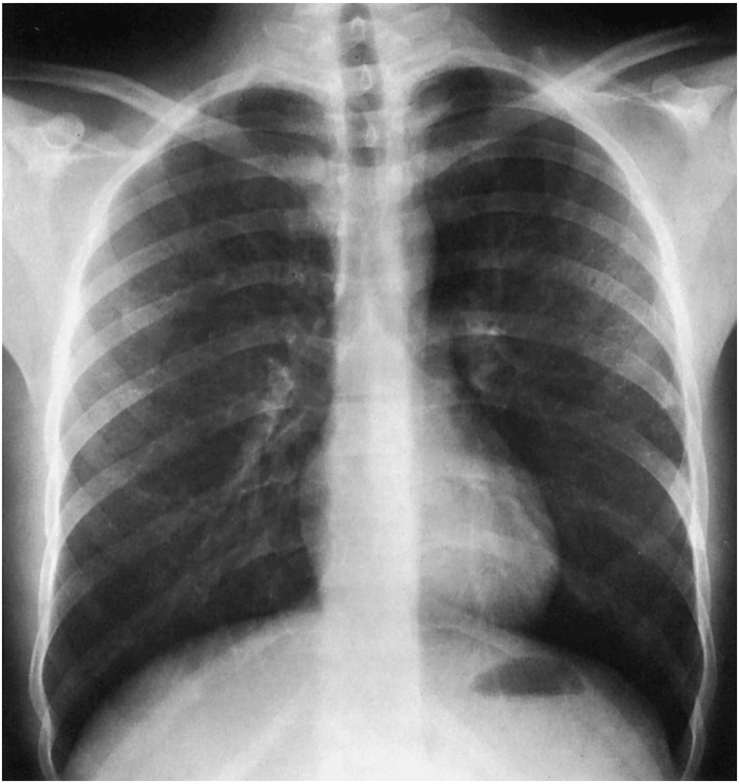
1	Distal phalanx
2	Middle phalanx
3	Proximal phalanx
4	Distal interphalangeal joint
5	Proximal interphalangeal joint
6	Metatarsophalangeal joint
7	Sesamoids
8	Metatarsals
9	Tarsometatarsal joint (Lisfranc's joint)
10	Medial cuneiform
11	Middle cuneiform
12	Lateral cuneiform
13	Intertarsal joint
14	Base of the fifth metatarsal
15	Navicular
16	Cuboid
17	Talocalcaneonavicular joint
18	Transverse tarsal joint (Chopart's joint between the talus, calcaneus, navicular, and cuboid)

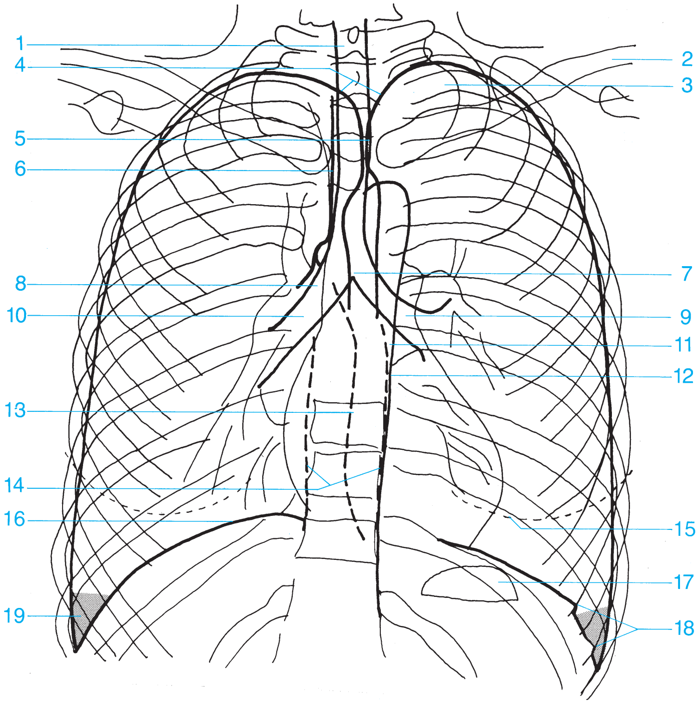




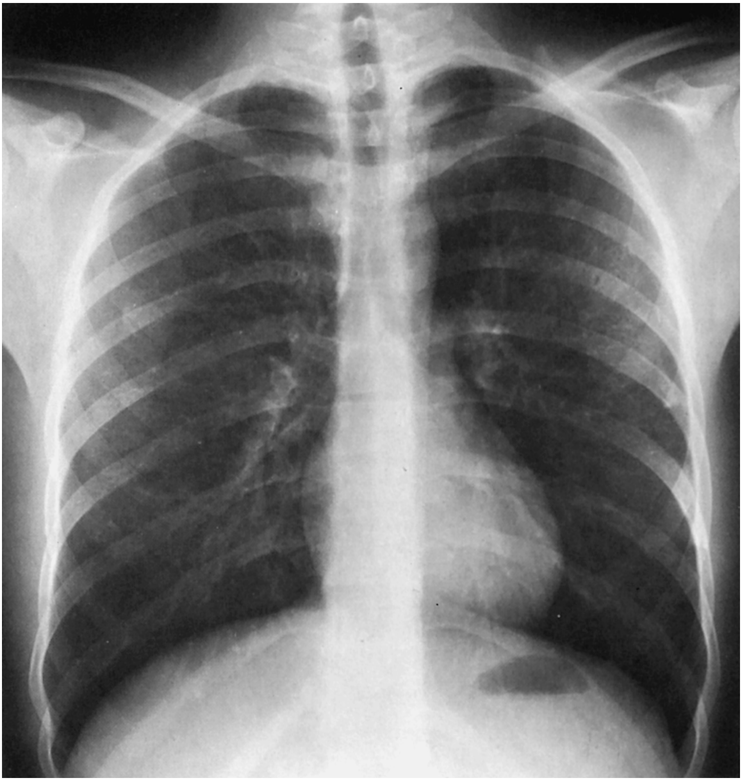
1	Distal phalanx (tuft)	**7**	Proximal phalanx
2	Distal phalanx	**8**	Metatarsophalangeal joint
3	Interphalangeal joint of the great toe	**9**	Sesamoids
4	Distal interphalangeal joint	**10**	First metatarsal
5	Middle phalanx	**11**	Tarsometatarsal joint
6	Proximal interphalangeal joint		

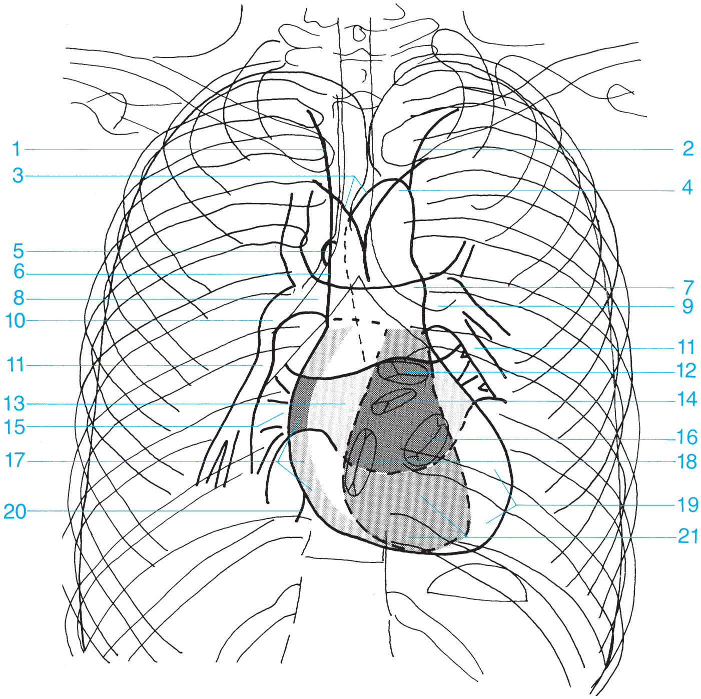
Anatomy of Miscellaneous Plain Films



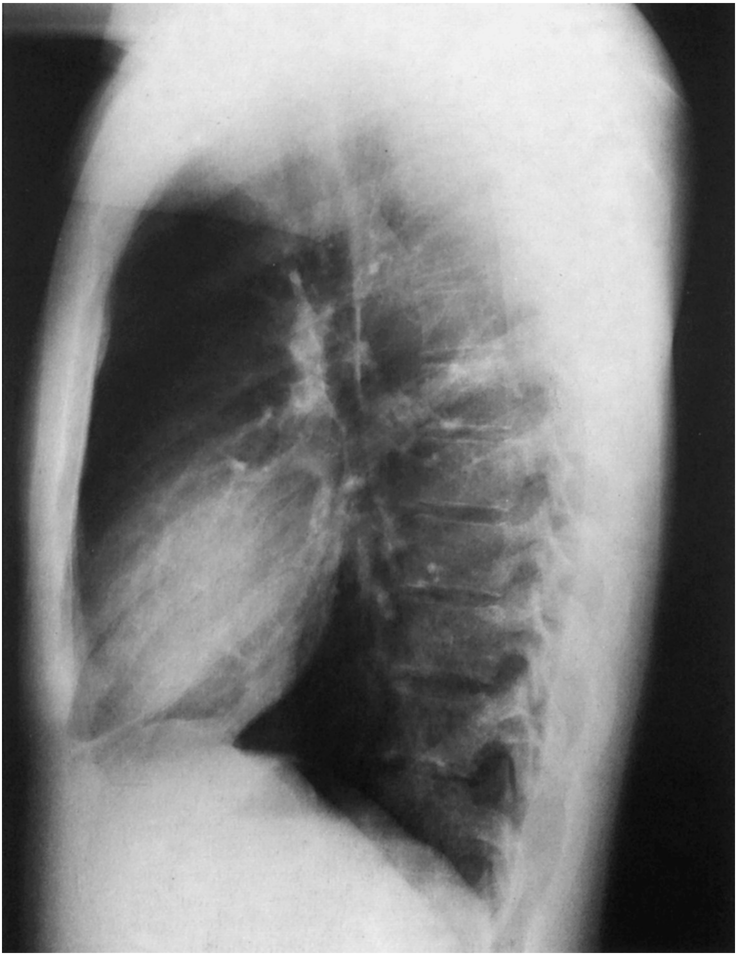


1 Trachea
2 Clavicle
3 Apex of the lung
4 Curve of the apex of the lung
5 Posterior border between the right and left lungs
6 Right paratracheal stripe
7 Carina of the trachea
8 Right main bronchus
9 Left main bronchus
10 Intermediate bronchus
11 Paraaortic stripe
12 Descending aorta
13 Azygoesophageal stripe
14 Paraspinal stripe
15 Shadow of the breast
16 Diaphragm
17 Gastric bubble
18 Insertions of the diaphragm
19 Costodiaphragmatic recess (costophrenic angle)

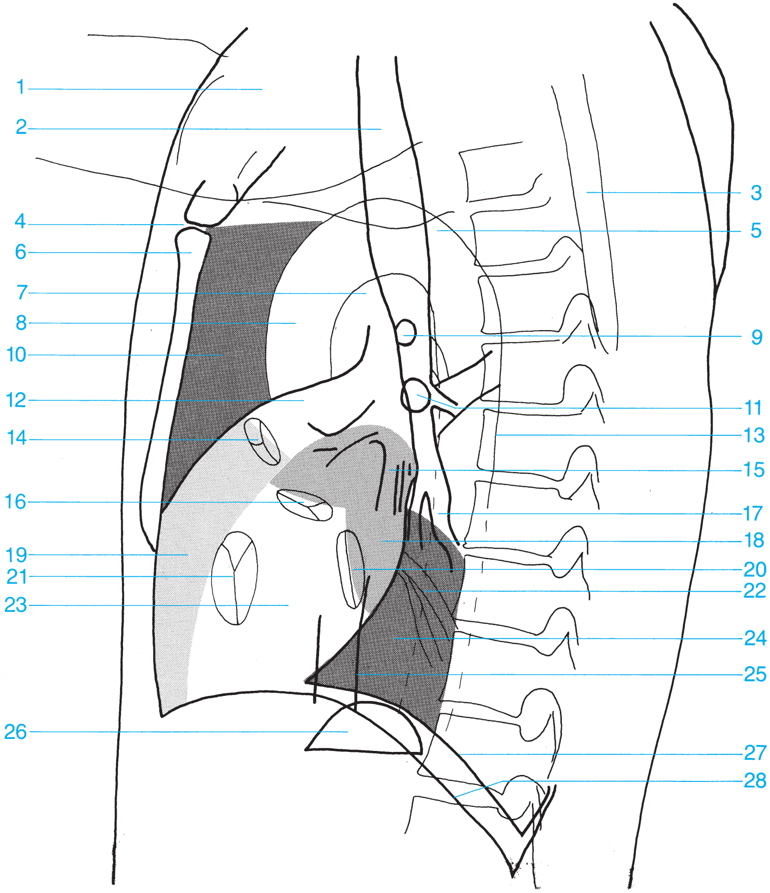




1 Contour of the right brachiocephalic vein
2 Contour of the subclavian artery
3 Subclavian and aortic arches
4 Aortic arch
5 Azygos vein
6 Superior vena cava
7 Main pulmonary artery
8 Right pulmonary artery
9 Left pulmonary artery
10 Intermediate part of the right pulmonary artery
11 Inferior lobar branch of the pulmonary artery
12 Pulmonary valve
13 Left atrium
14 Aortic valve
15 Venous confluence
16 Mitral valve
17 Right atrium
18 Tricuspid valve
19 Left ventricle
20 Inferior vena cava
21 Right ventricle



1 Soft tissues of the shoulder
2 Trachea
3 Scapula
4 Sternal angle
5 Aortic arch
6 Body of the sternum
7 Aortopulmonary window
8 Ascending aorta
9 Right upper lobe bronchus
10 Retrosternal space
11 Left upper lobe bronchus
12 Main pulmonary artery
13 Descending aorta
14 Pulmonary valve
15 Pulmonary veins
16 Aortic valve
17 Lower lobe bronchus
18 Left atrium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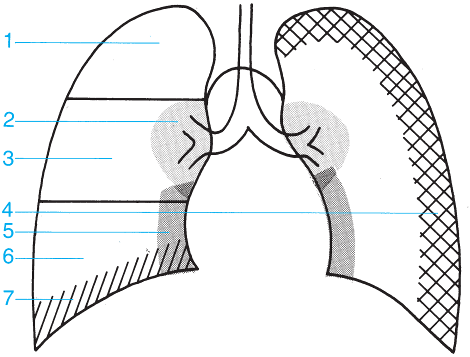
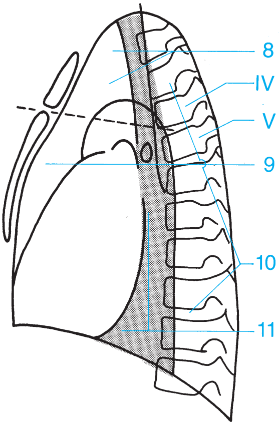
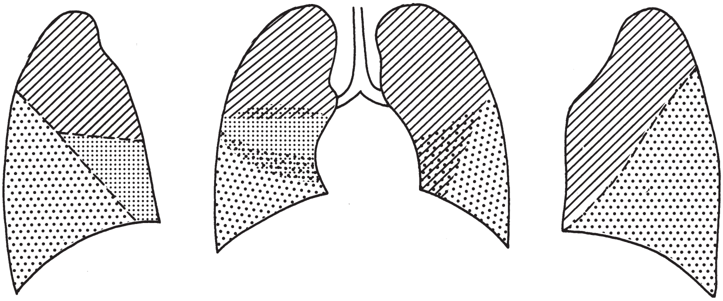
19	Right ventricle	**25**	Inferior vena cava
20	Mitral valve	**26**	Gastric bubble
21	Tricuspid valve	**27**	Left hemidiaphragm (tangent to the gastric bubble and ending in the shadow of the heart)
22	Pulmonary veins	**28**	Right hemidiaphragm
23	Left ventricle		
24	Retrocardiac space		





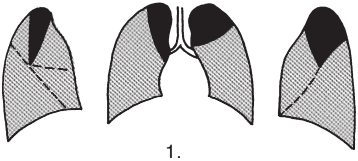


▨ Upper Lobe

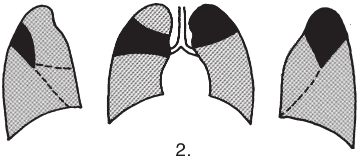
▦ Middle Lobe

⁙ Lower Lobe

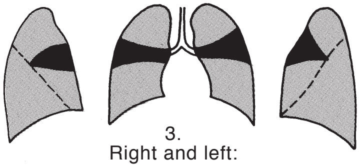
1 Upper region of the lung
2 Perihilar region
3 Middle region of the lung
4 Chest wall
5 Pericardial region
6 Lower region of the lung
7 Supradiaphragmatic region
8 Superior anterior mediastinum
9 Inferior anterior mediastinum
10 Posterior mediastinum
11 Middle mediastinum (fourth and fifth thoracic vertebrae)



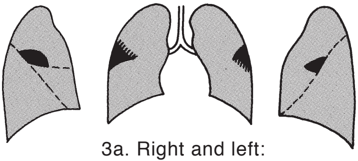
1.
Right: apical segment of the upper lobe
Left: apical posterior segment of the upper lobe



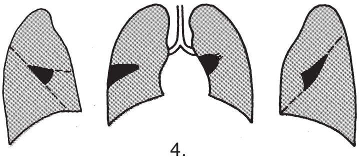
2.
Right: posterior segment of the upper lobe
Left: apical posterior segment of the upper lobe



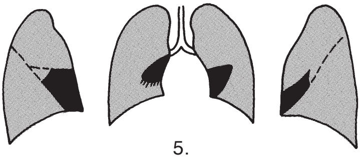
3.
Right and left:
anterior segment of the upper lobe



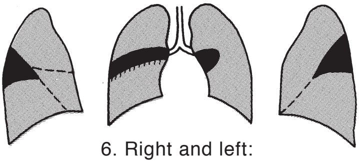
3a. Right and left:
axillary subsegment



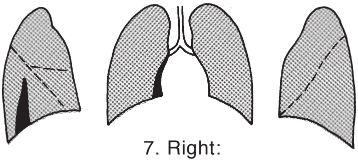
4.
Right: lateral segment of the middle lobe
Left: superior lignular segment



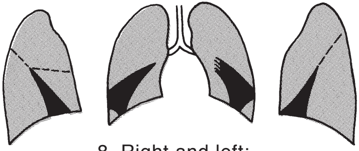
5.
Right medial segment of the middle lobe
Left: inferior lingular segment



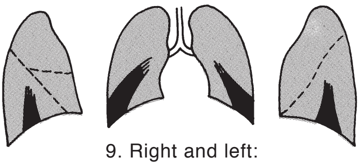
6. Right and left:
superior segment of the lower lobe



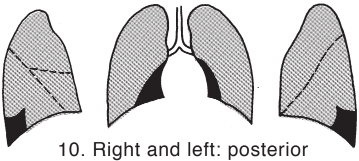
7. Right:
medial segment of the lower lobe



8. Right and left:
anterior basal segment of the lower lobe

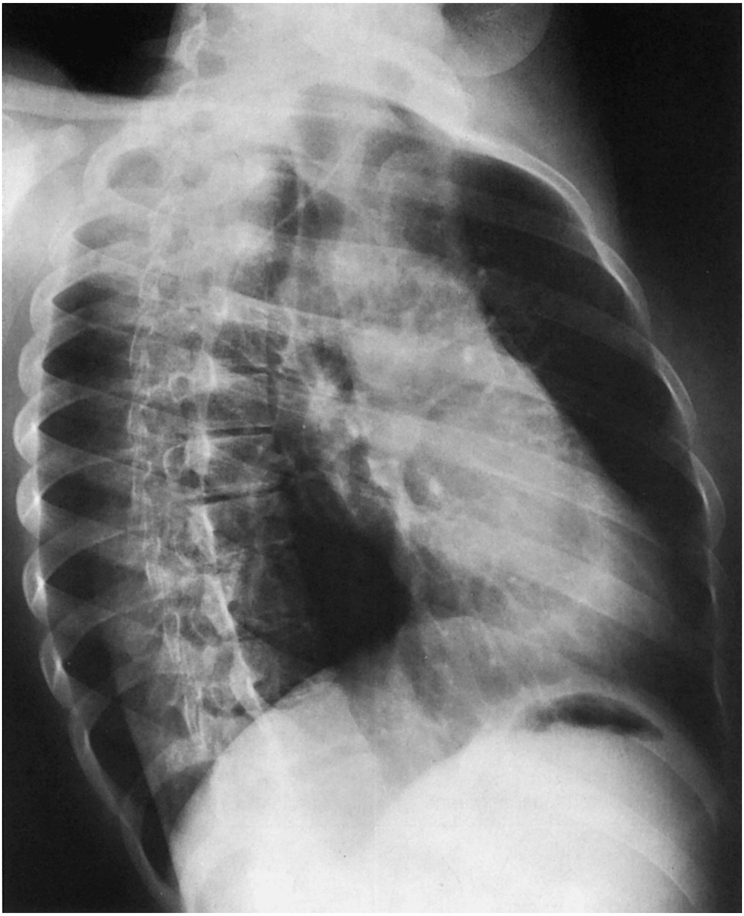


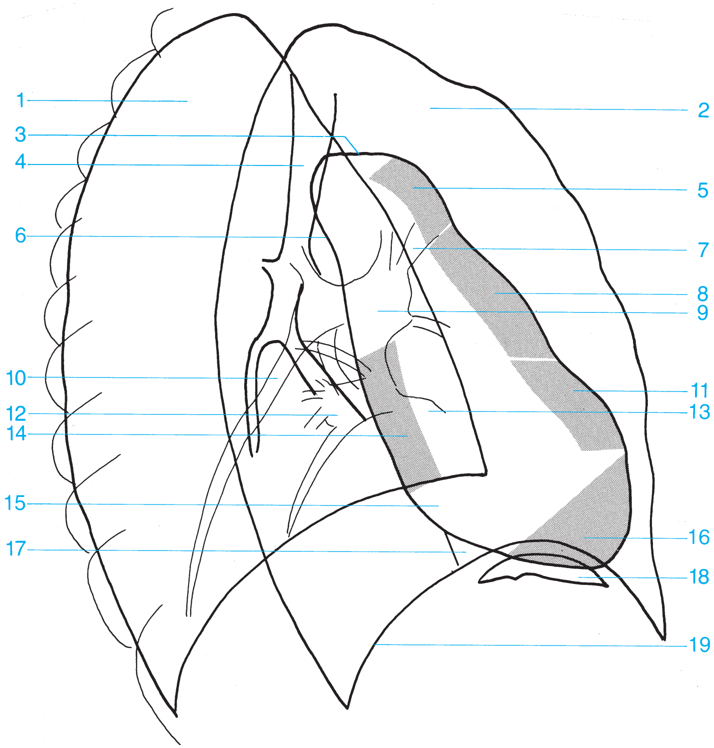
9. Right and left:
lateral basal segment of the lower lobe



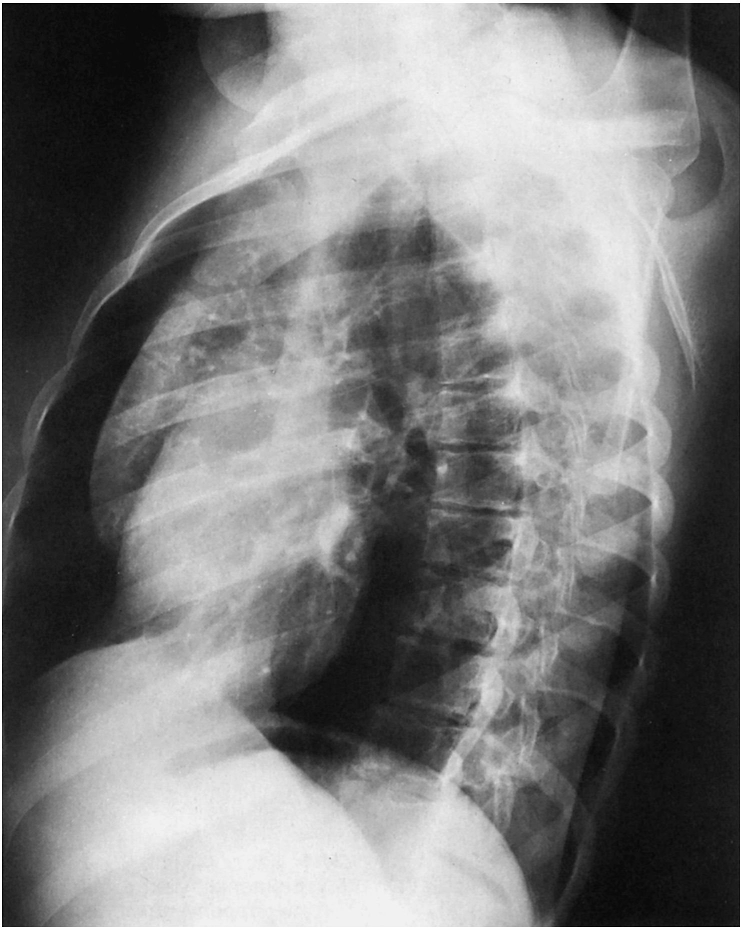
10. Right and left: posterior basal segment of the lower lobe

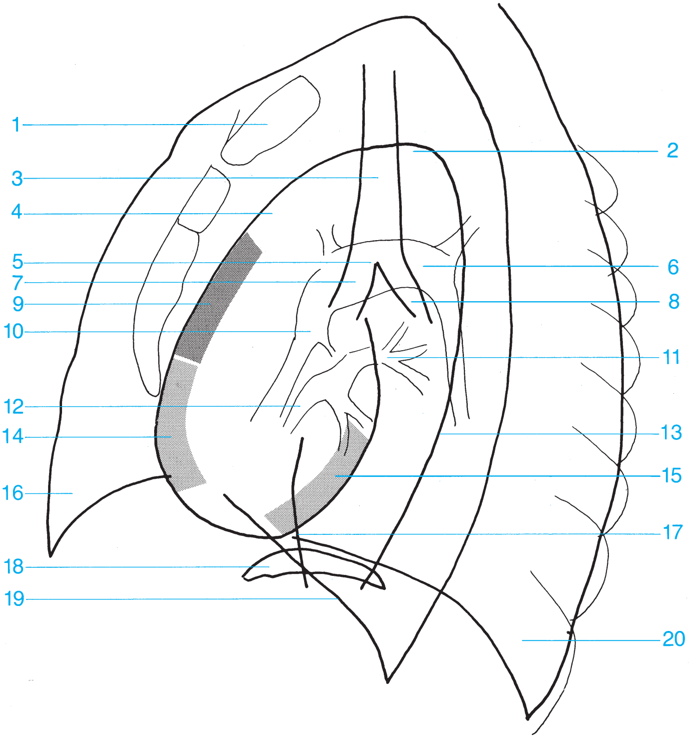
Segments of the lung



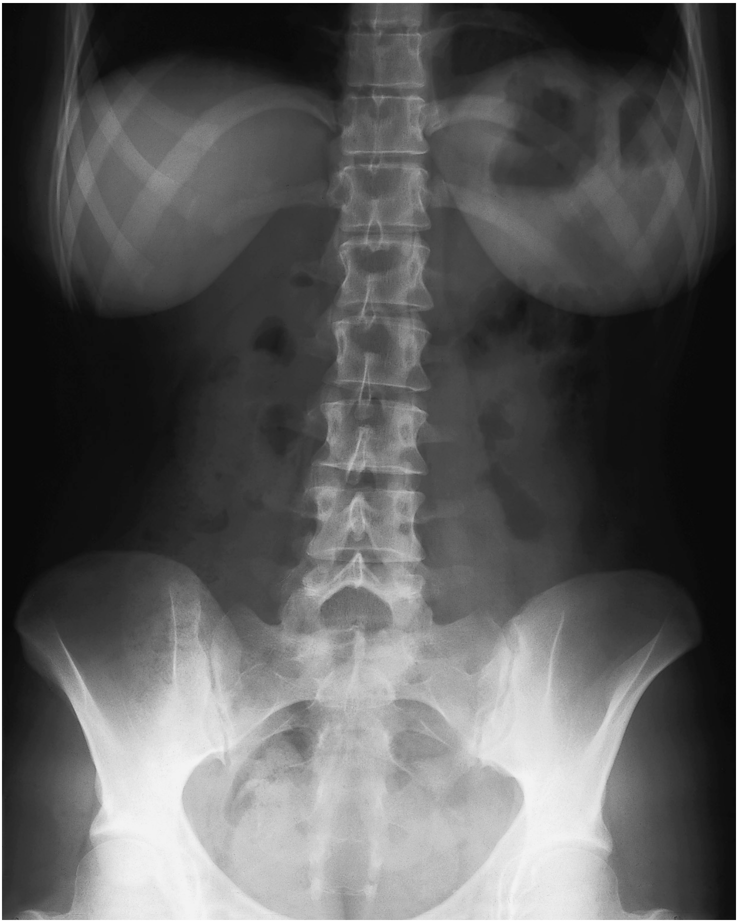


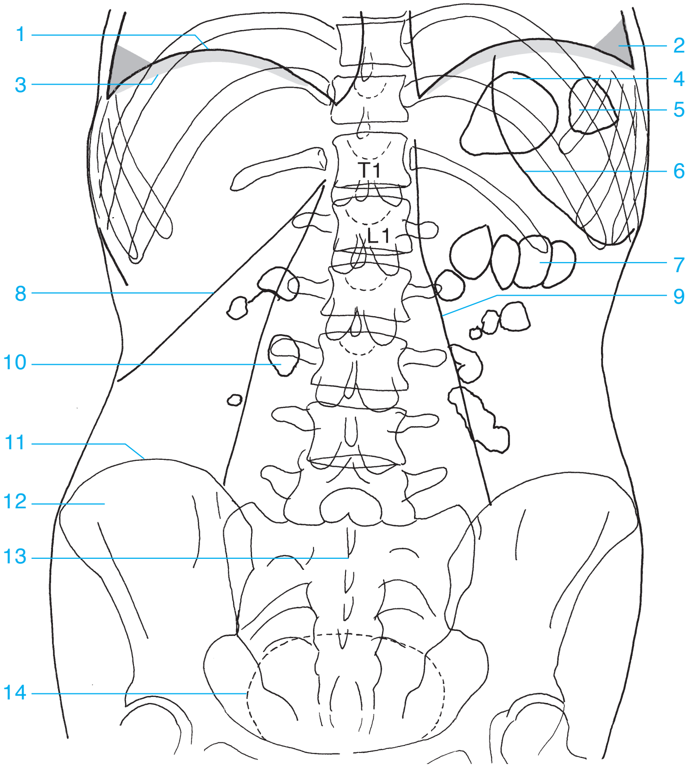
1 Right lung
2 Left lung
3 Aortic arch
4 Trachea
5 Ascending aorta
6 Descending aorta
7 Left upper lobe pulmonary vein, artery, and bronchus
8 Main pulmonary artery
9 Left pulmonary artery
10 Right inferior lobar branch of the pulmonary artery
11 Infundibulum
12 Inferior right pulmonary vein
13 Inferior left pulmonary vein
14 Left atrium
15 Right atrium
16 Left ventricle
17 Inferior vena cava
18 Gastric bubble
19 Diaphragm



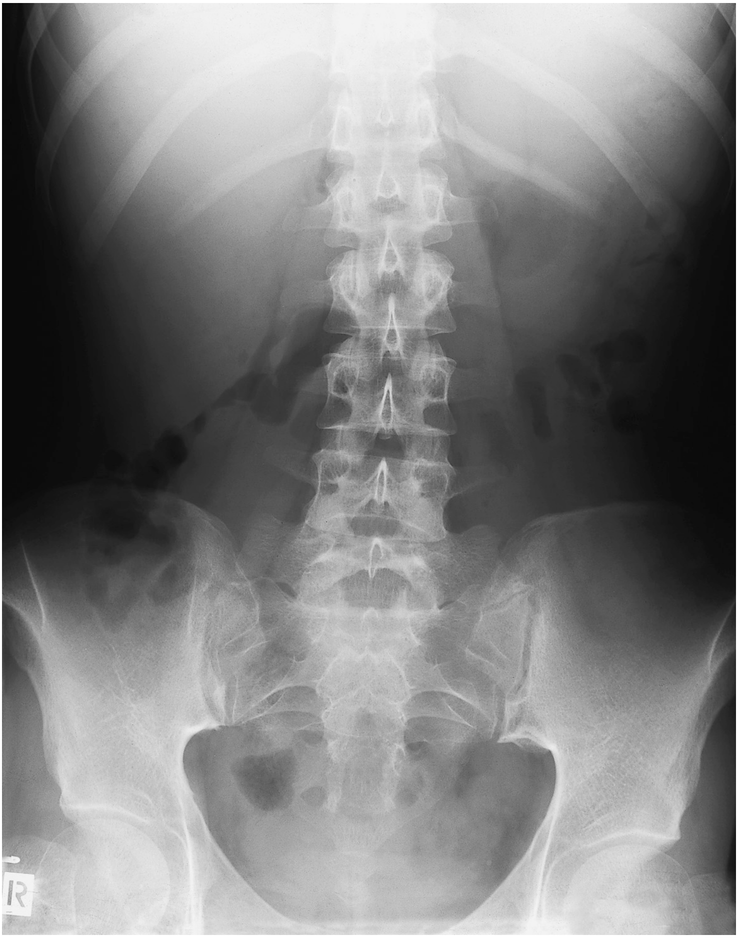


1	Sternum
2	Aortic arch
3	Trachea
4	Ascending aorta
5	Carina of the trachea
6	Left pulmonary artery
7	Right main bronchus
8	Left main bronchus
9	Right atrium
10	Right pulmonary artery
11	Left pulmonary vein
12	Right pulmonary vein
13	Descending aorta
14	Right ventricle
15	Left ventricle
16	Right lung
17	Inferior vena cava
18	Gastric bubble (left hemidiaphragm)
19	Right hemidiaphragm
20	Left lung





1 Diaphragm
2 Costodiaphragmatic recess (costophrenic angle)
3 Subphrenic space
4 Gastric bubble
5 Gas in the splenic flexure of the colon
6 Lower margin of the spleen
7 Gas in the transverse colon
8 Inferior margin of the liver
9 Margin of the psoas
10 Gas in the small bowel
11 Iliac crest
12 Ilium
13 Sacrum
14 Urinary bladder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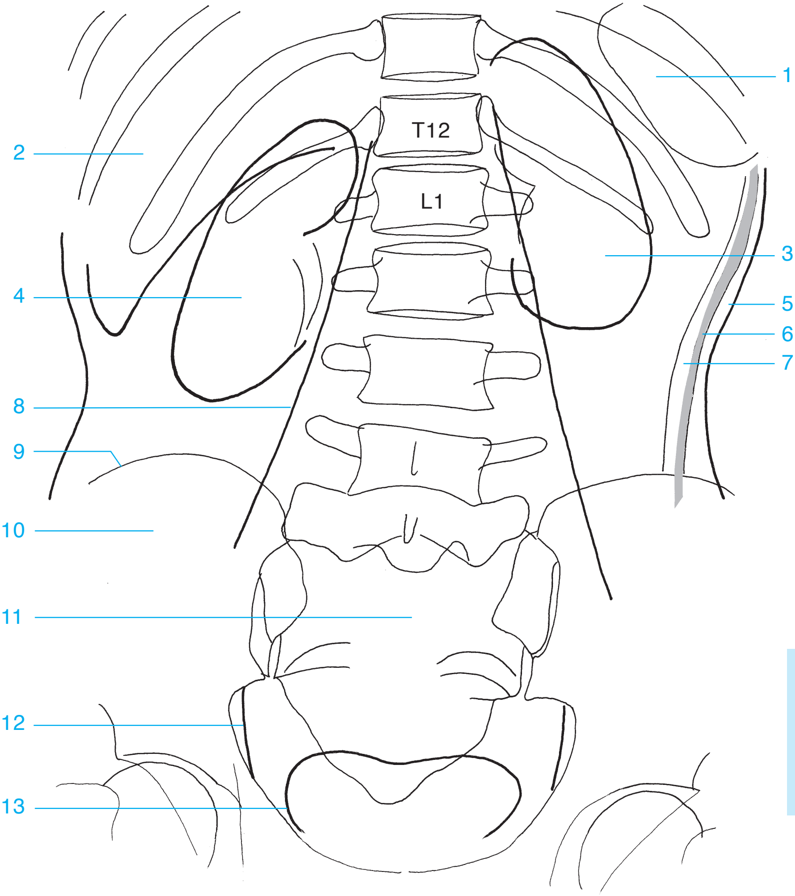
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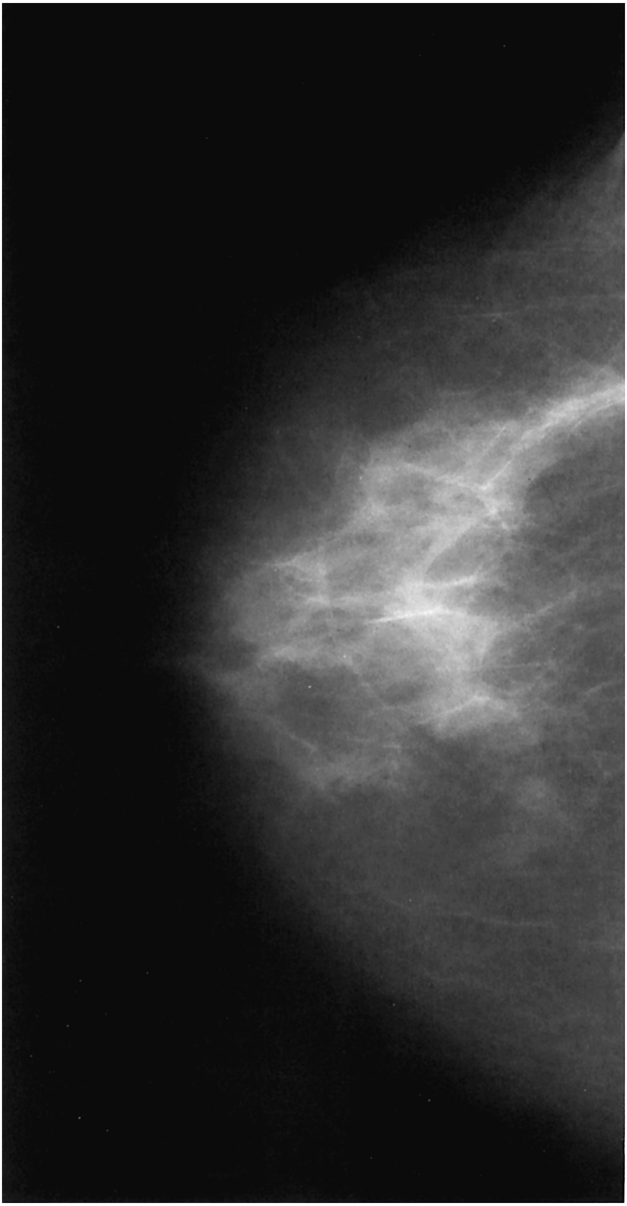
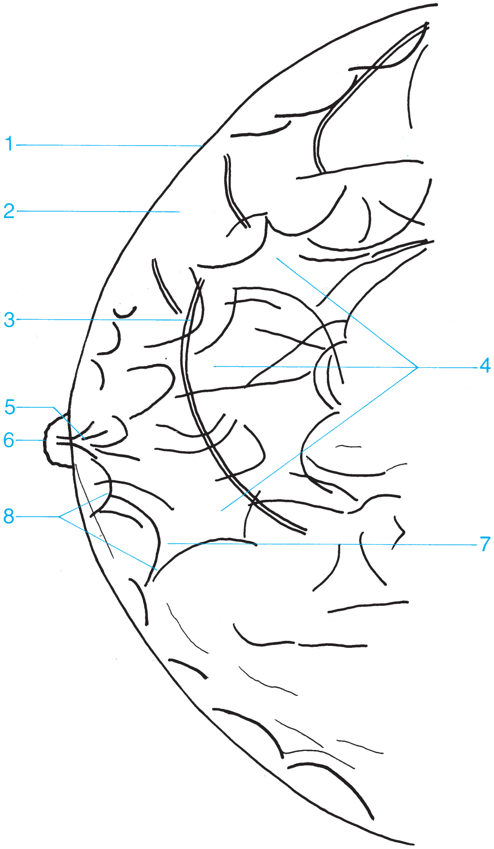
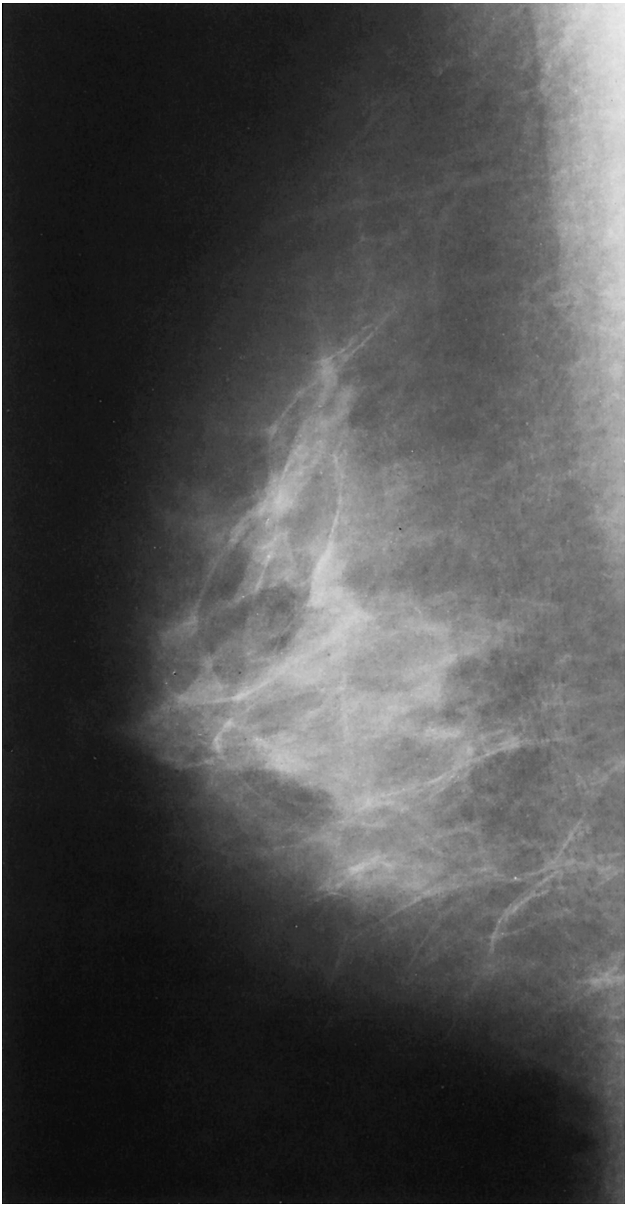
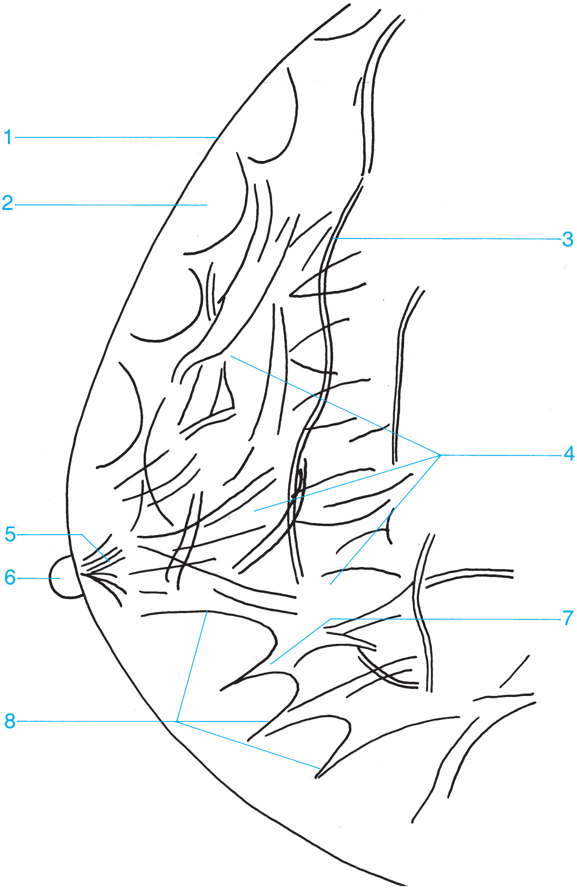
1 Spleen
2 Liver
3 Left kidney
4 Right kidney
5 Subcutaneous fat
6 Abdominal muscles
7 Preperitoneal fat
8 Psoas
9 Iliac crest
10 Ilium
11 Sacrum
12 Obturator internus
13 Urinary bladder



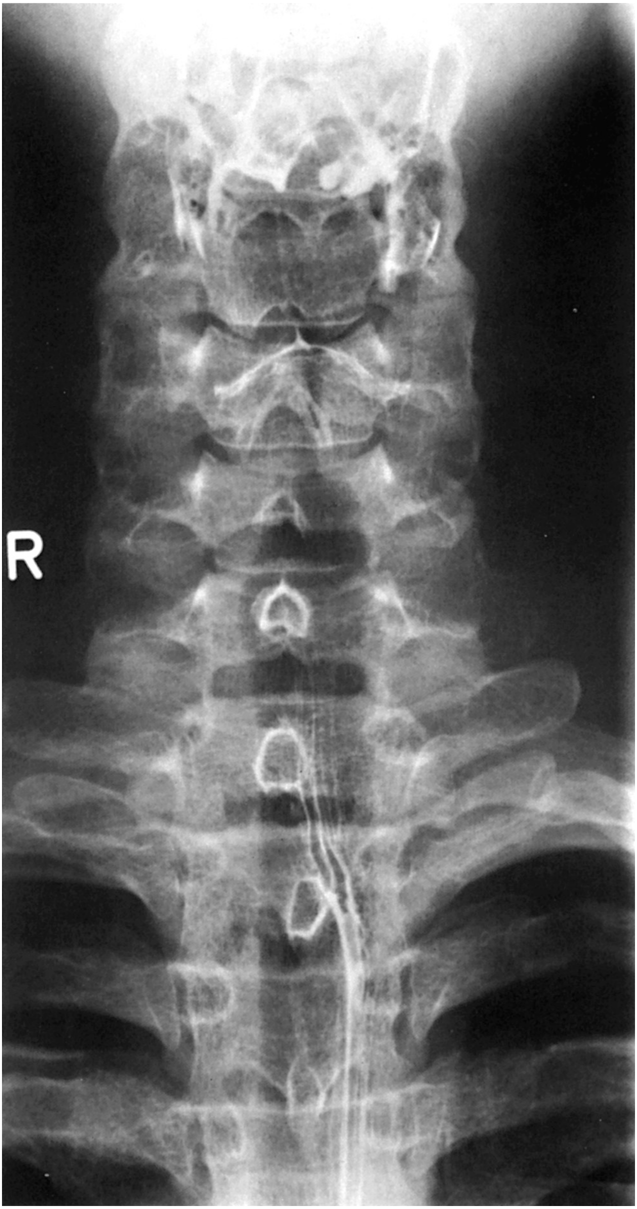


1	Skin	**5**	Lactiferous duct posterior to the nipple
2	Subcutaneous fat	**6**	Nipple
3	Veins	**7**	Contour of a lobule
4	Glandular tissue	**8**	Cooper's ligaments





1	Skin	**5**	Lactiferous duct posterior to the nipple
2	Subcutaneous fat	**6**	Nipple
3	Veins	**7**	Contour of a lobule
4	Glandular tissue	**8**	Cooper's ligaments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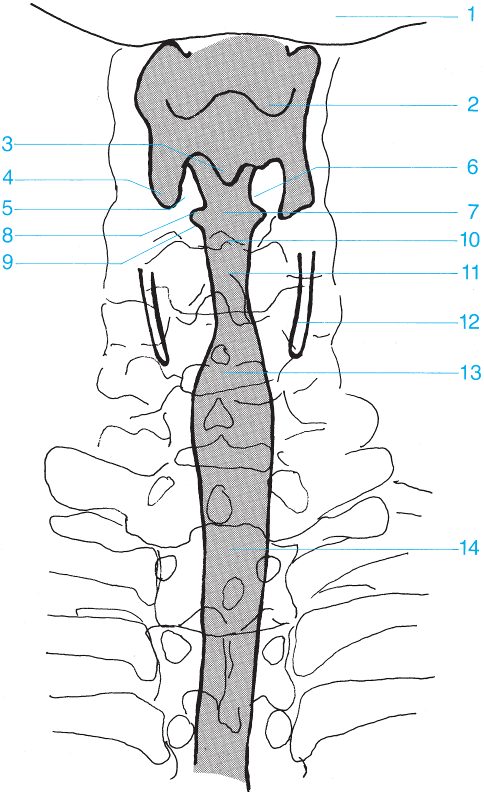
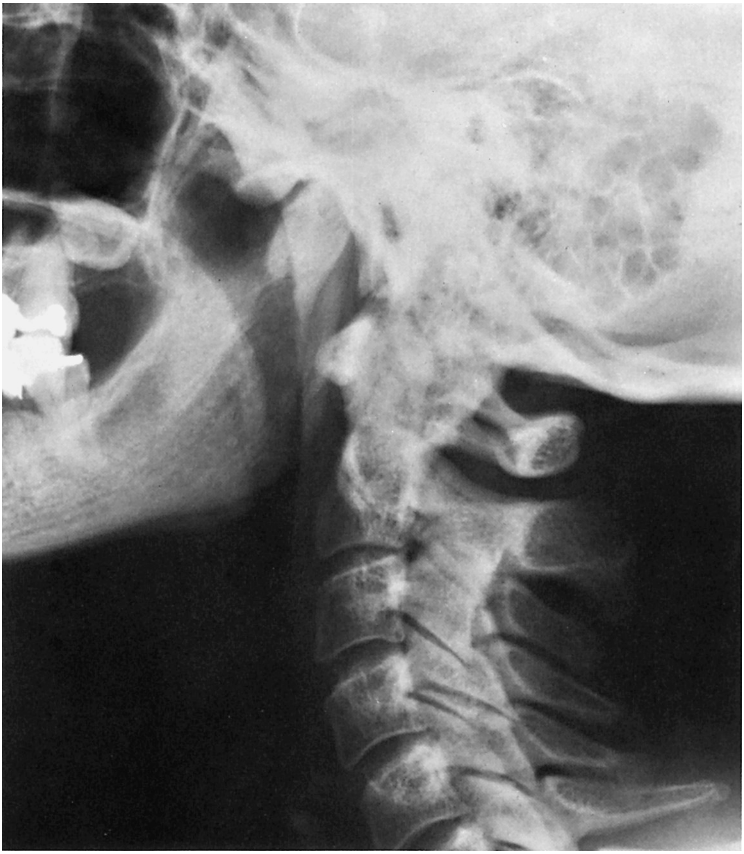
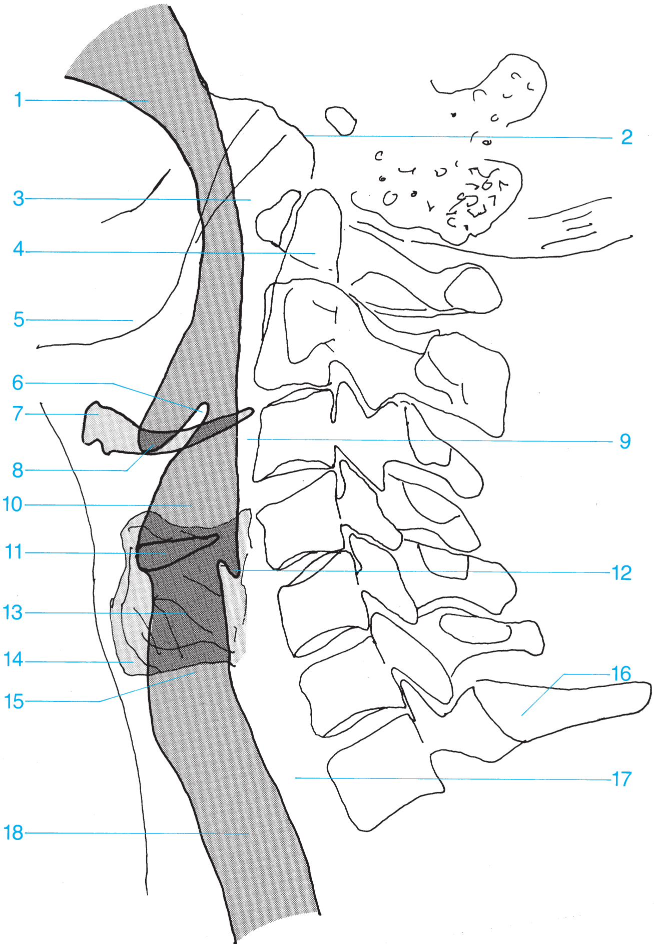
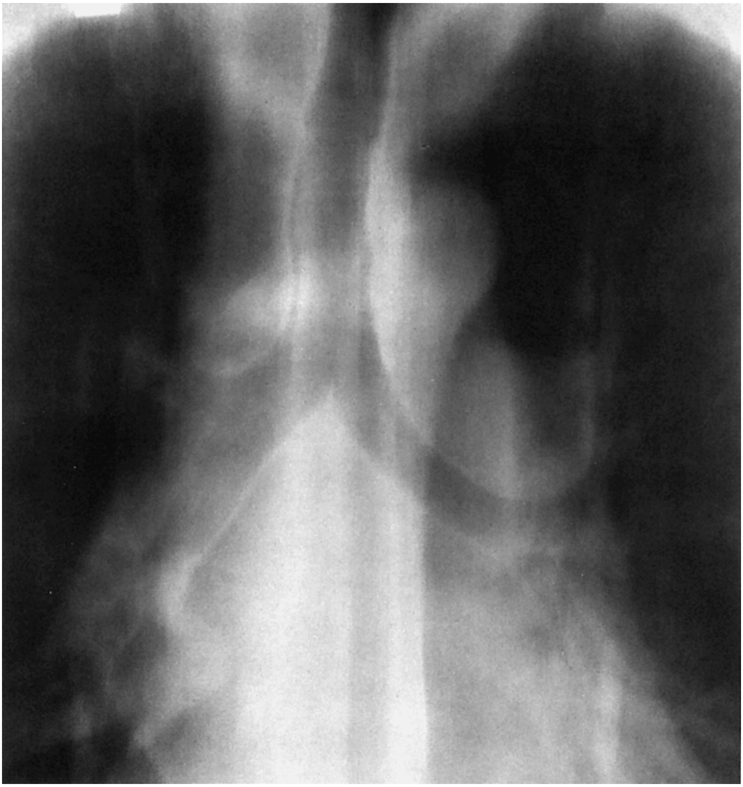


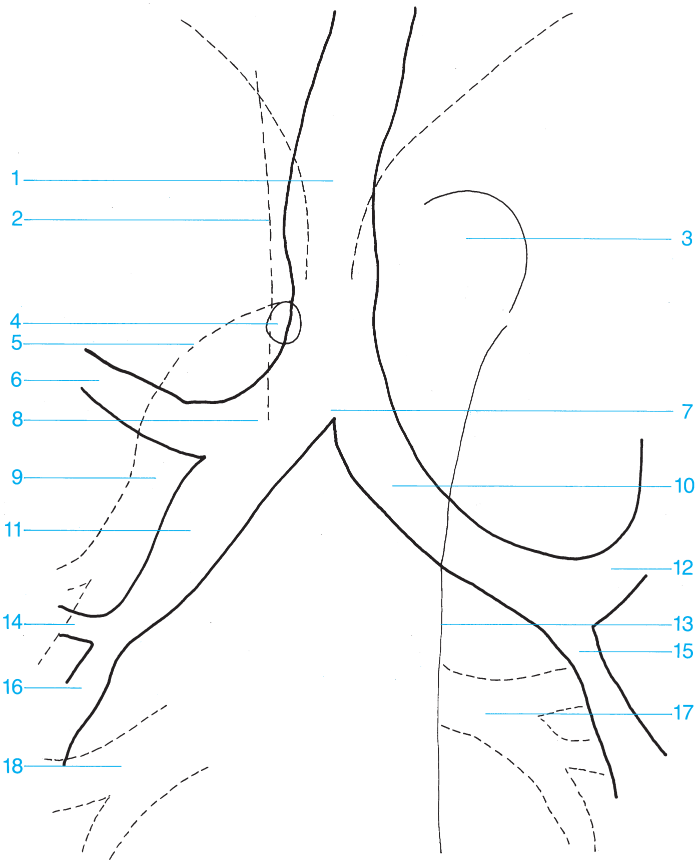
1	Mandible	**8**	Ventricle of the larynx
2	Floor of the vallecula	**9**	Vocal fold (true vocal cord)
3	Interarytenoid notch	**10**	Rima glottidis
4	Piriform recess	**11**	Subglottic space
5	Arytenoid cartilages	**12**	Thyroid cartilage
6	Vestibular fold (false vocal cord)	**13**	Proximal trachea
7	Vestibule of the larynx	**14**	Distal trachea



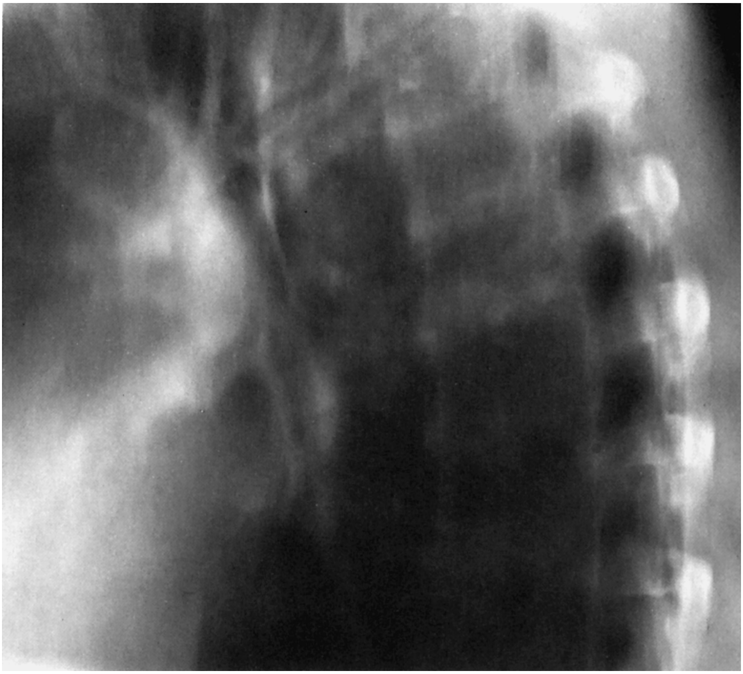


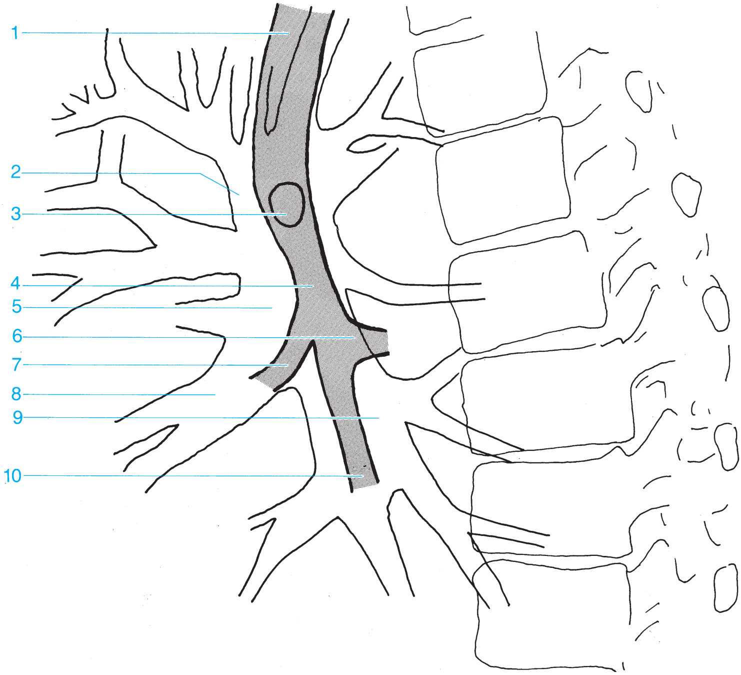
1	Oral cavity	**11**	Ventricle of the larynx
2	Base of the skull	**12**	Inferior posterior margin of the piriform recess
3	Posterior nasopharynx	**13**	Subglottic space
4	Dens of the axis	**14**	Thyroid cartilage
5	Mandible	**15**	Proximal trachea
6	Epiglottis	**16**	Vertebra C7
7	Hyoid bone	**17**	Esophagus
8	Floor of the vallecula	**18**	Distal trachea
9	Retropharyngeal space		
10	Vestibule of the larynx		



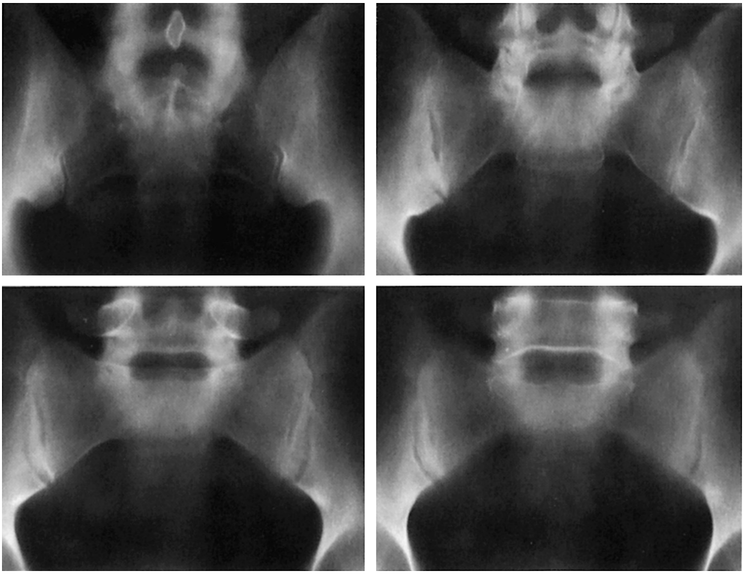


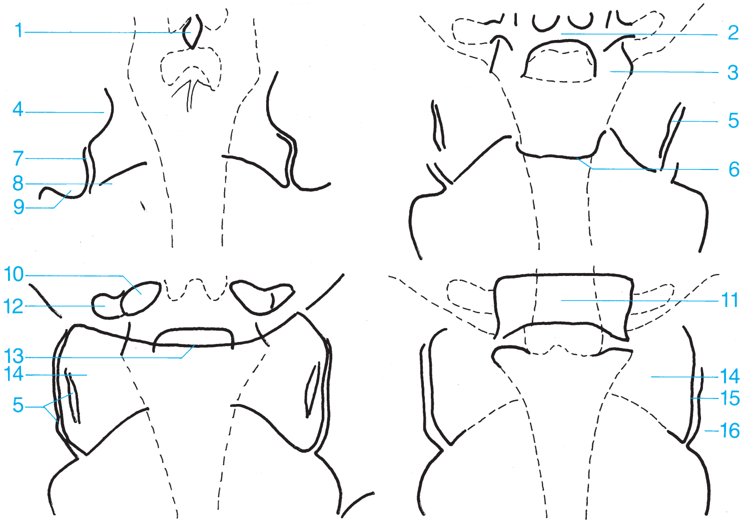
1	Trachea	**10**	Left main bronchus
2	Superior vena cava	**11**	Intermediate bronchus
3	Aortic arch	**12**	Left upper lobe bronchus
4	Azygos vein	**13**	Descending aorta
5	Right pulmonary artery	**14**	Middle lobe bronchus
6	Right upper lobe bronchus	**15**	Left lower lobe bronchus
7	Bifurcation of the trachea	**16**	Right lower lobe bronchus
8	Right main bronchus	**17**	Pulmonary veins
9	Inferior lobar branch of the pulmonary artery	**18**	Venous confluence





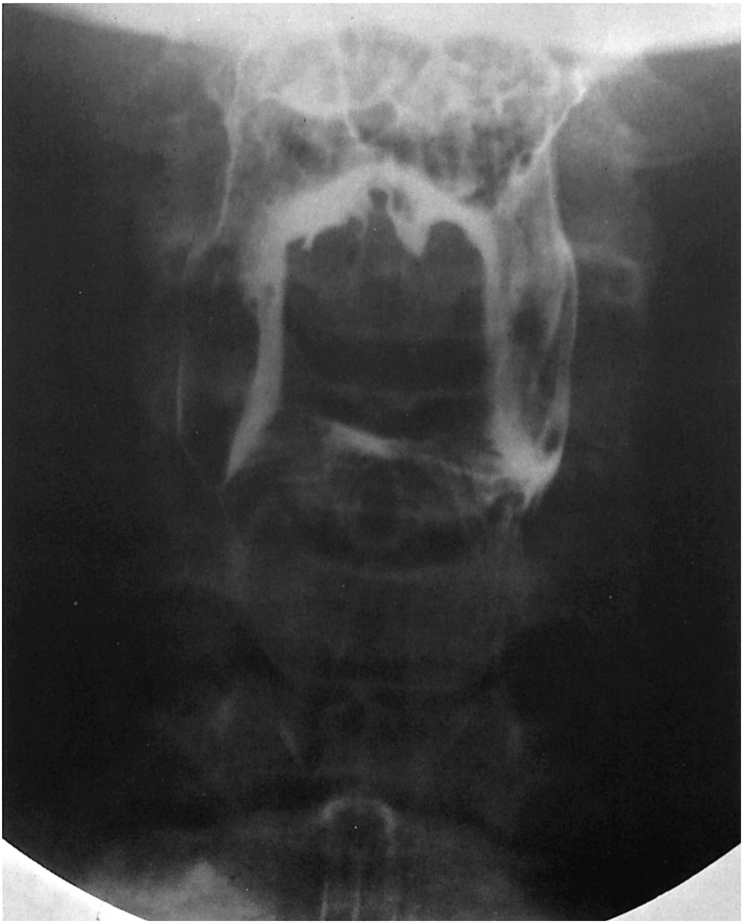
1	Trachea	**7**	Middle lobe bronchus
2	Superior lobar branch of the pulmonary artery	**8**	Middle lobar branch of the pulmonary artery
3	Origin of the upper lobe bronchus	**9**	Inferior lobar branch of the pulmonary artery
4	Intermediate bronchus	**10**	Lower lobe bronchus
5	Right pulmonary artery		
6	Segmental bronchus of the lower lobe		

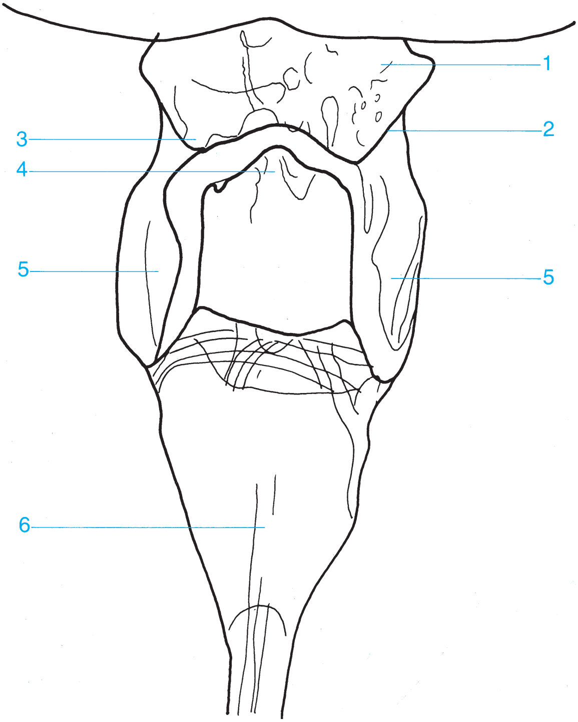




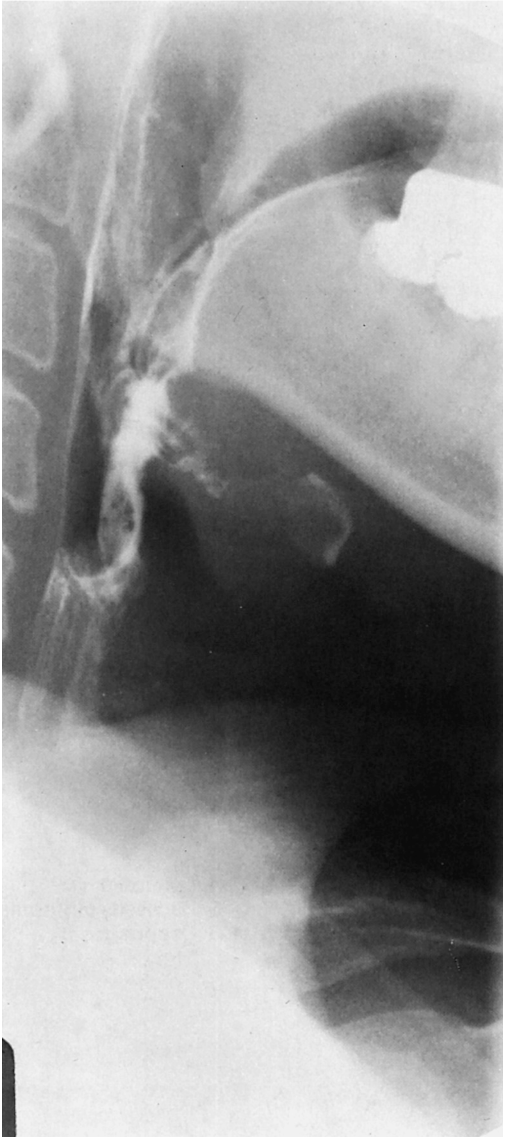
1	Spinous process
2	Lamina
3	Inferior articular process
4	Posterior superior iliac spine
5	Middle portion of the sacroiliac joint
6	Anterior aspect of the sacrum
7	Posterior inferior aspect of the sacroiliac joint
8	Sacral foramina
9	Posterior inferior iliac spine
10	Pedicle
11	L5
12	Transverse process
13	Promontory
14	Sacral ala
15	Anterior aspect of the sacroiliac joint
16	Ilium (iliac wing)

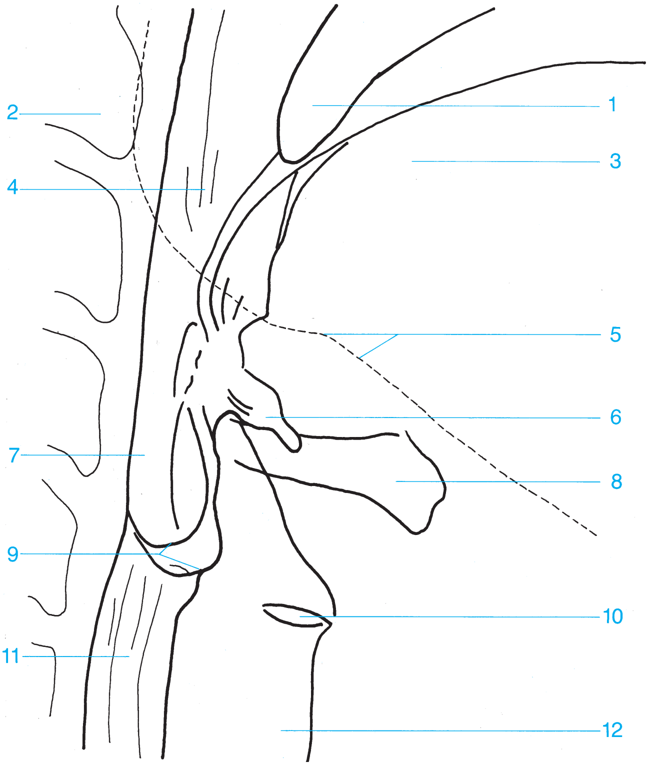
Contrast Studies



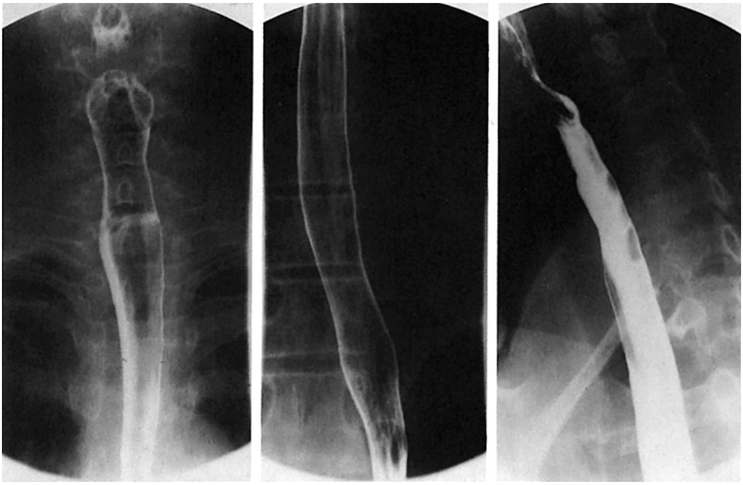


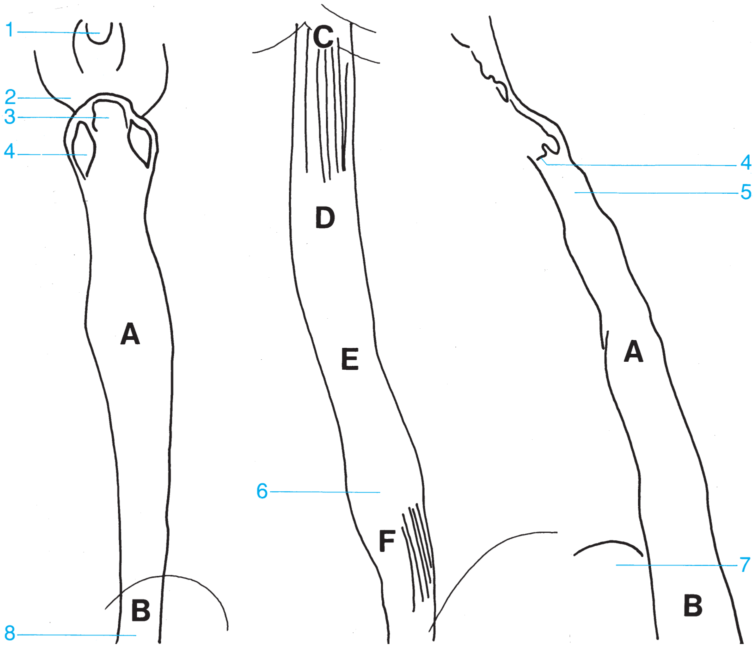
1	Pharynx	**4**	Epiglottis
2	Lateral glossoepiglottic fold	**5**	Piriform recess
3	Vallecula	**6**	Esophagus





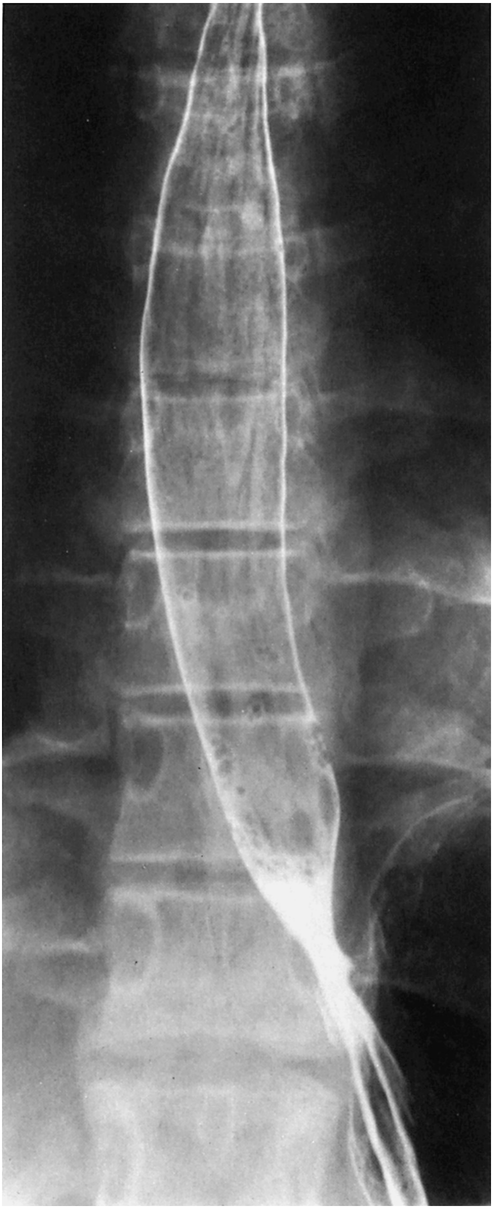
1	Uvula	**7**	Larynx
2	Cervical spine (axis)	**8**	Hyoid bone
3	Tongue	**9**	Piriform recess
4	Oropharynx	**10**	Ventricle of the larynx
5	Mandible	**11**	Esophagus
6	Vallecula	**12**	Trachea

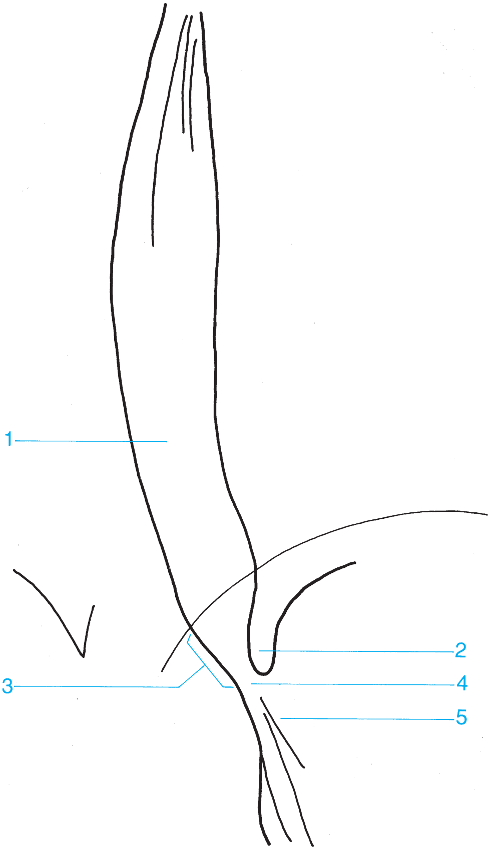




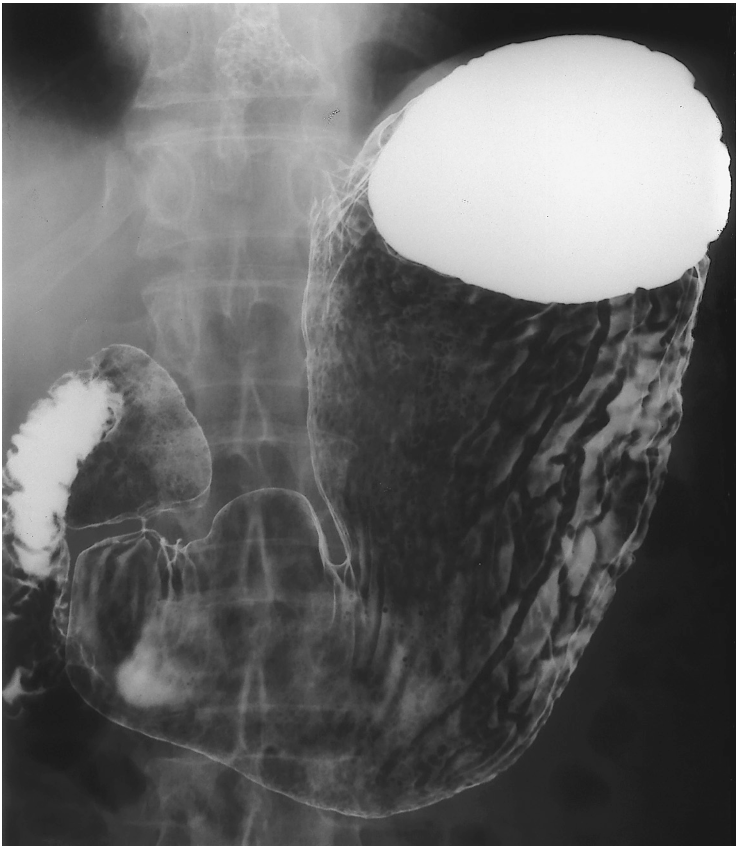
1 Uvula
2 Lateral glossoepiglottic fold
3 Epiglottis
4 Piriform recess
5 Upper esophageal sphincter
6 Body of the esophagus
7 Aortic arch
8 Bronchial and aortic segment

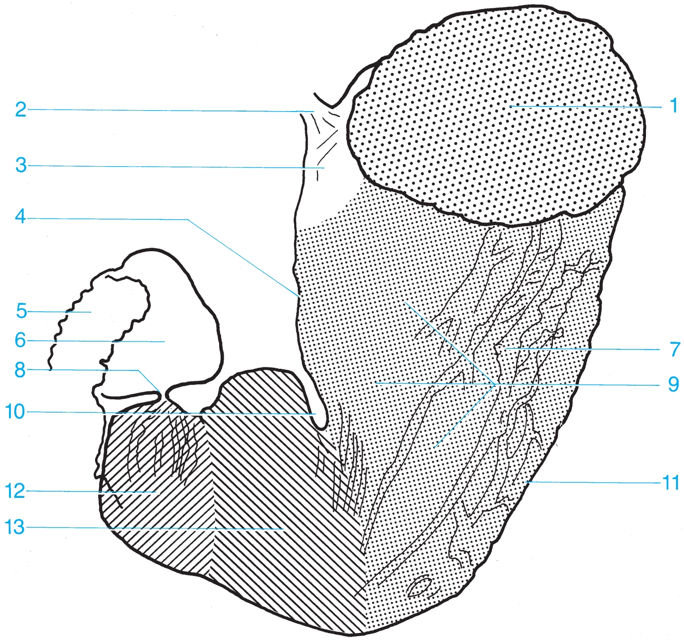
A Paratracheal segment
B Aortic segment
C Bronchial segment
D Interbronchial segment
E Retrocardiac segment
F Epiphrenic segment



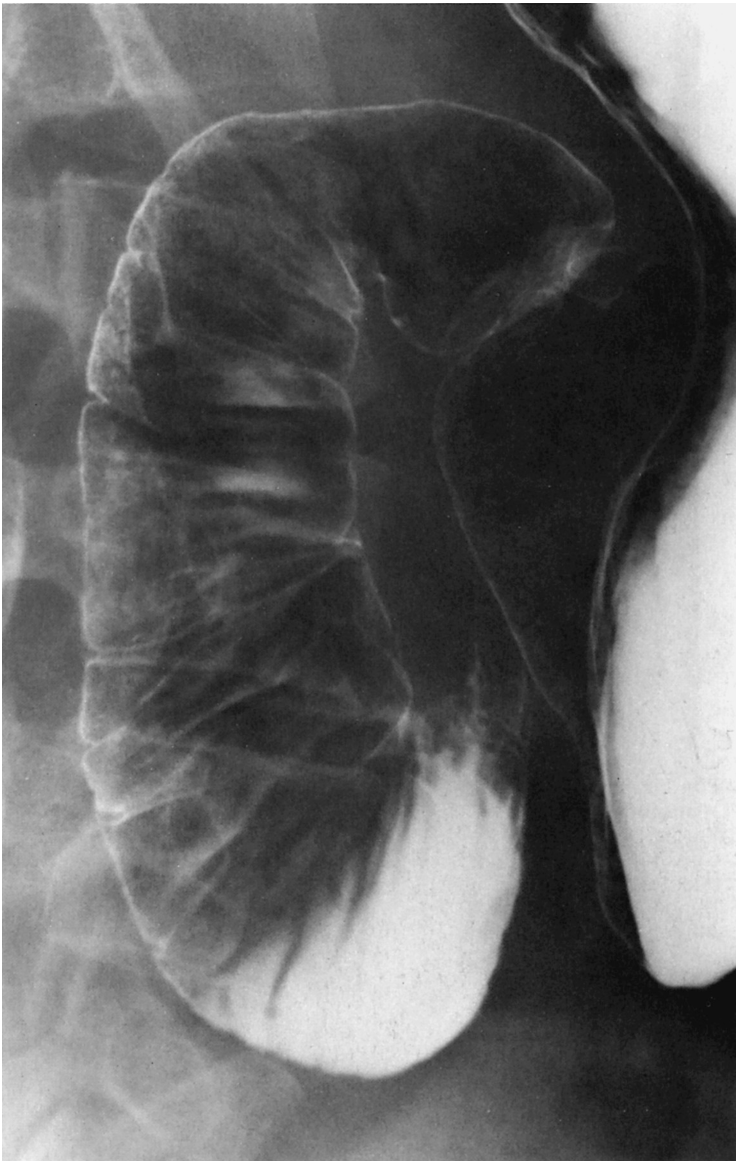


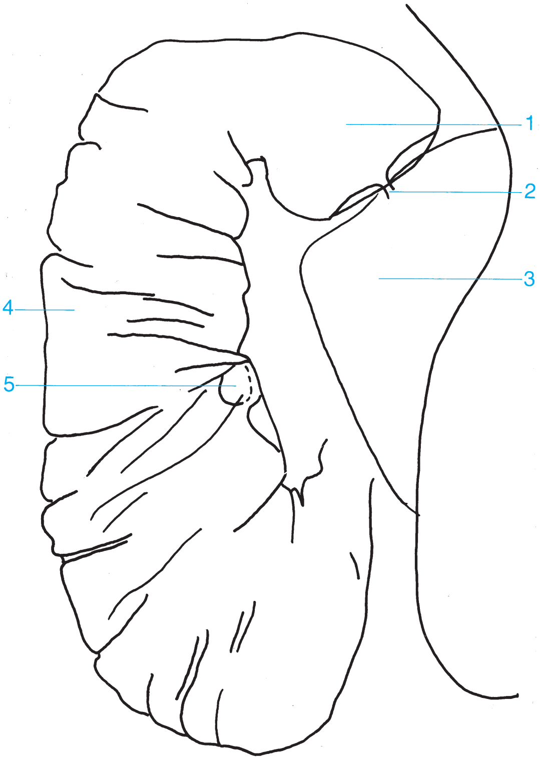
1 Distal esophagus	**4** Esophageal hiatus
2 Gastroesophageal angle	**5** Cardia
3 Abdominal esophagus	



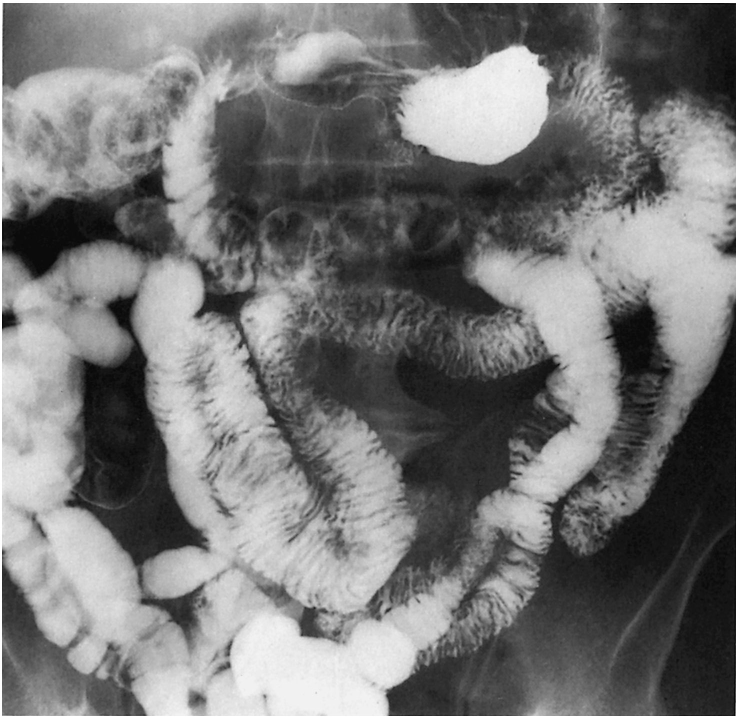


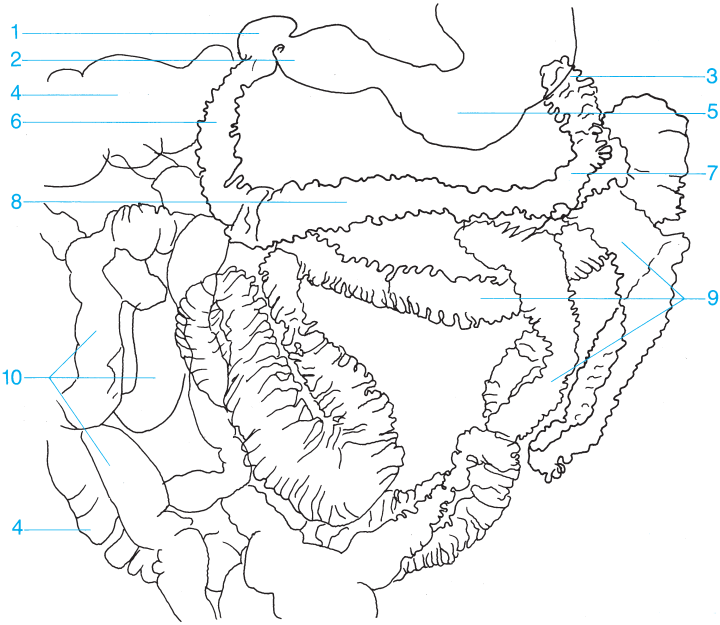
1	Fundus	**8**	Pylorus
2	Abdominal esophagus	**9**	Body of the stomach
3	Cardia	**10**	Angular notch
4	Lesser curvature	**11**	Greater curvature
5	Duodenum	**12**	Pyloric antrum
6	Ampulla of Vater	**12 + 13**	Antrum
7	Gastric folds (posterior wall)		



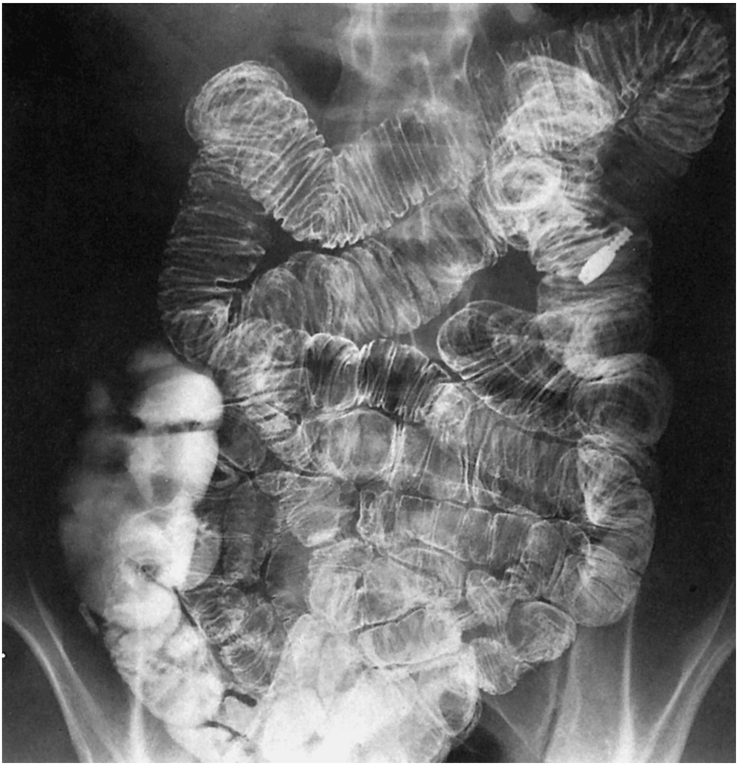


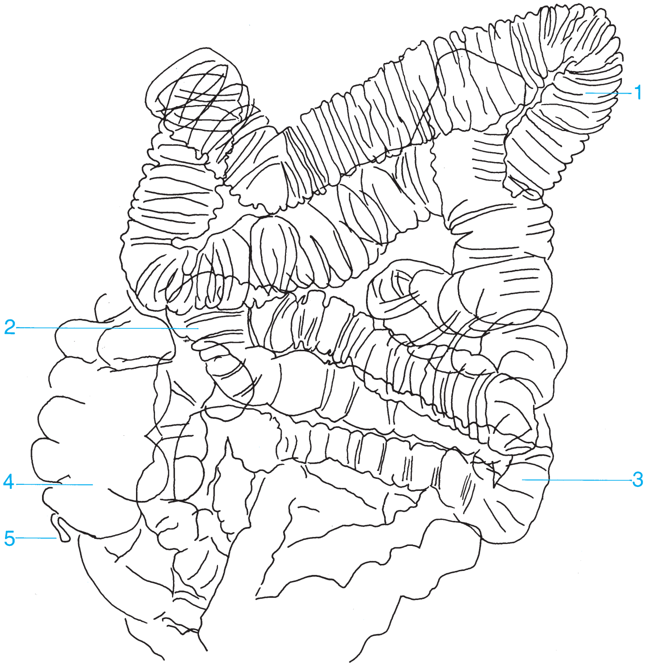
1	Ampulla of Vater	**4**	Descending duodenum
2	Pylorus	**5**	Papilla of Vater
3	Pyloric antrum		



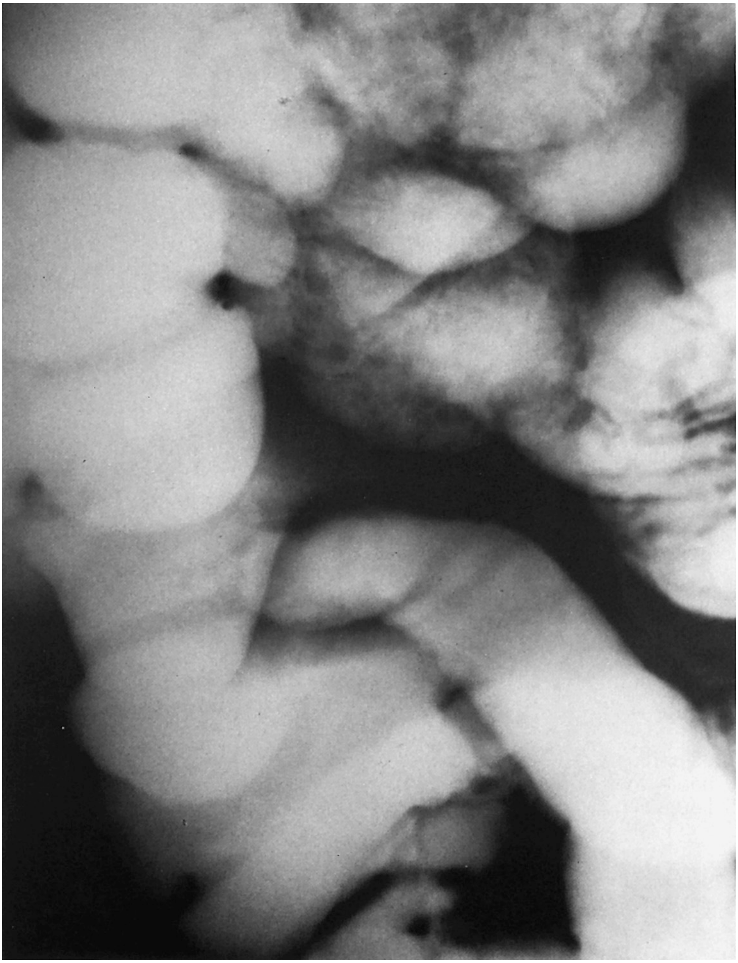


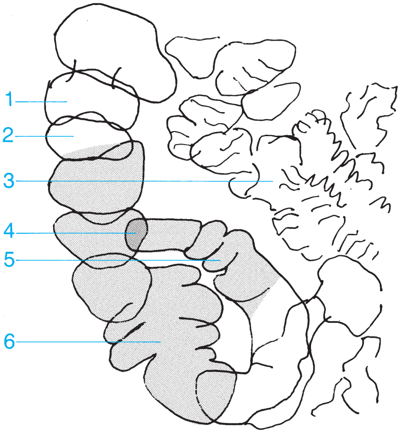
1	Ampulla of Vater	**6**	Descending duodenum
2	Pyloric antrum	**7**	Ascending duodenum
3	Duodenojejunal flexure	**8**	Horizontal part of duodenum
4	Colon	**9**	Jejunum
5	Body of the stomach	**10**	Ileum



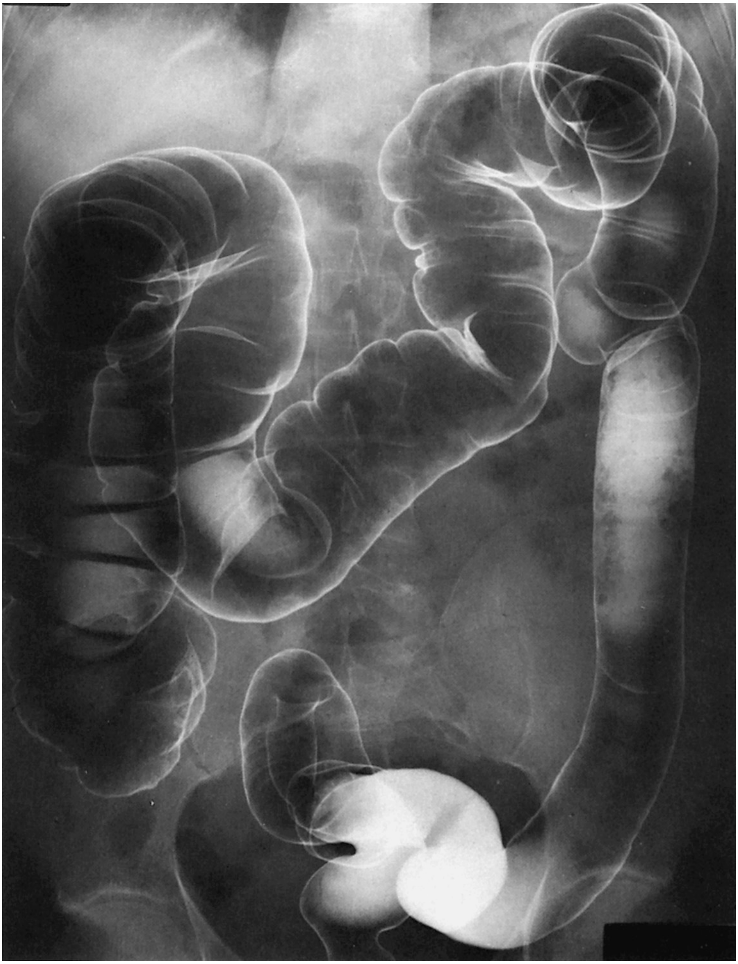


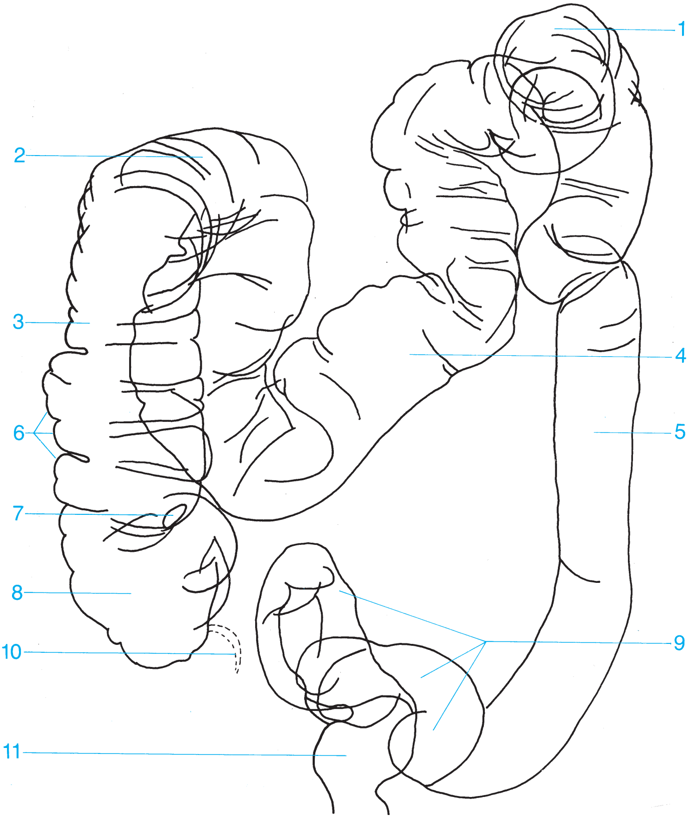
1 Jejunum
2 Junction of the ileum and jejunum
3 Ileum
4 Cecum
5 Appendix



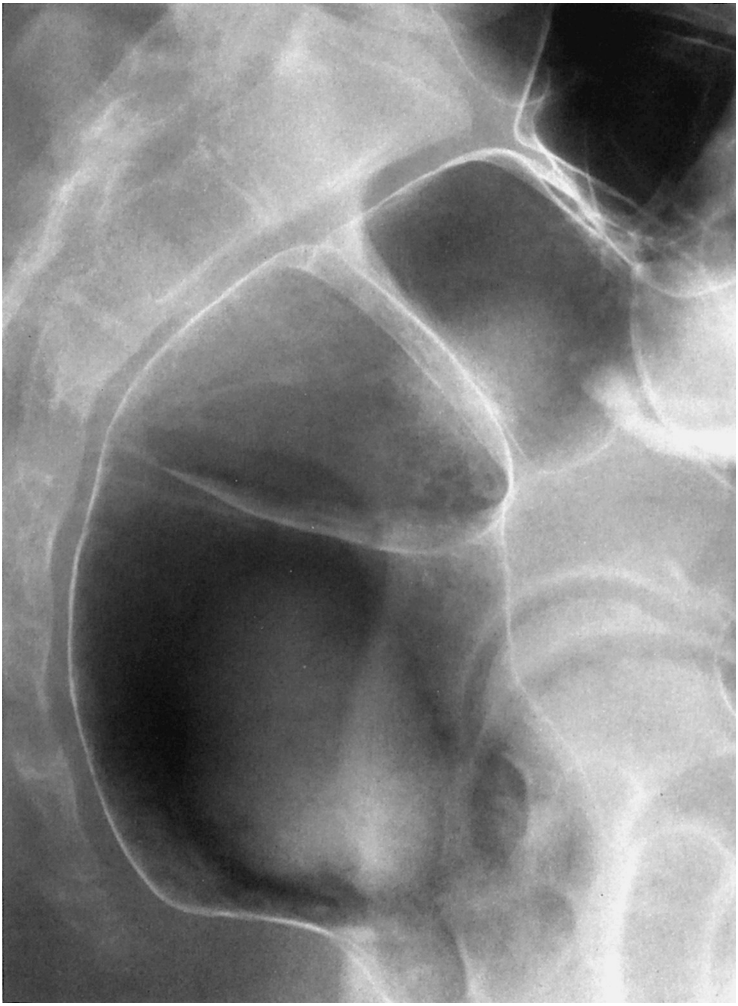


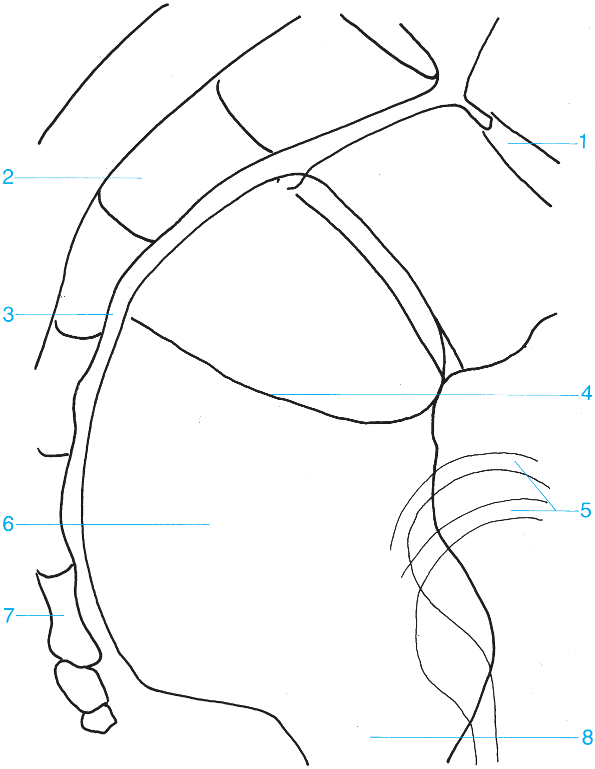
1	Haustra of the colon	**4**	Ileocecal valve
2	Ascending colon	**5**	Terminal ileum
3	Ileum	**6**	Cecum



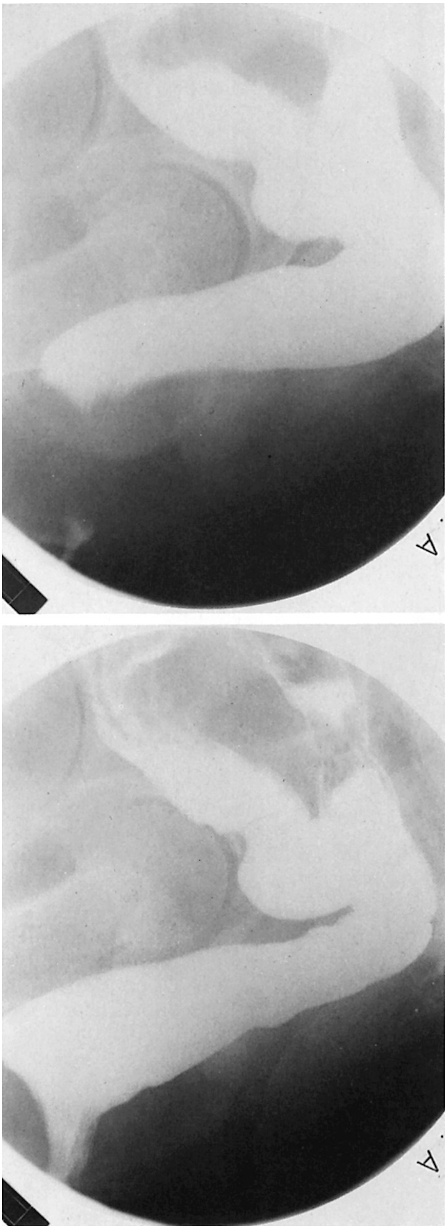


1	Splenic flexure of the colon	**7**	Ileocecal valve
2	Hepatic flexure of the colon	**8**	Cecum
3	Ascending colon	**9**	Sigmoid colon
4	Transverse colon	**10**	Appendix
5	Descending colon	**11**	Rectum
6	Haustra		





1	Rectosigmoid junction	**5**	Femoral head
2	Sacrum	**6**	Rectal ampulla
3	Retrorectal space	**7**	Coccyx
4	Transverse rectal fold	**8**	Anorectal junction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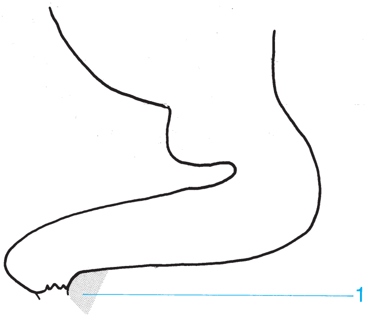
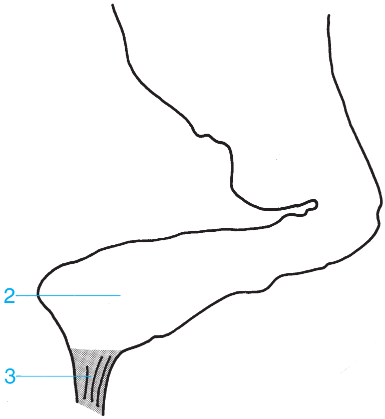
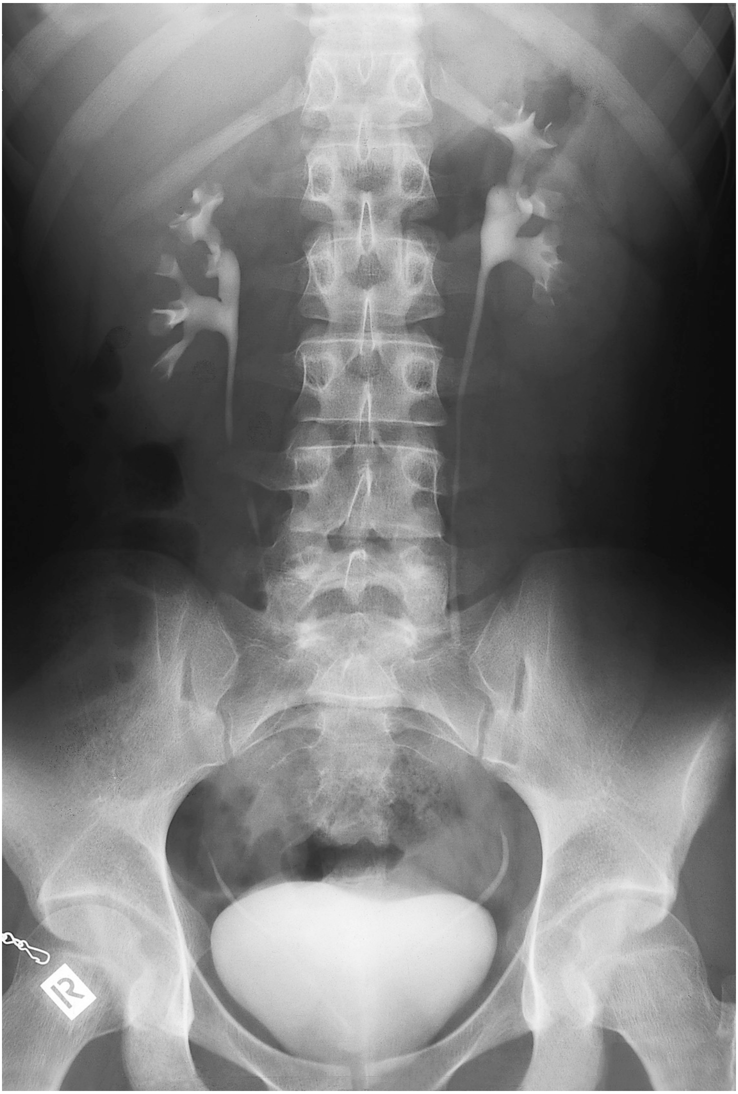




1	Puborectalis
2	Rectal ampulla
3	Anal canal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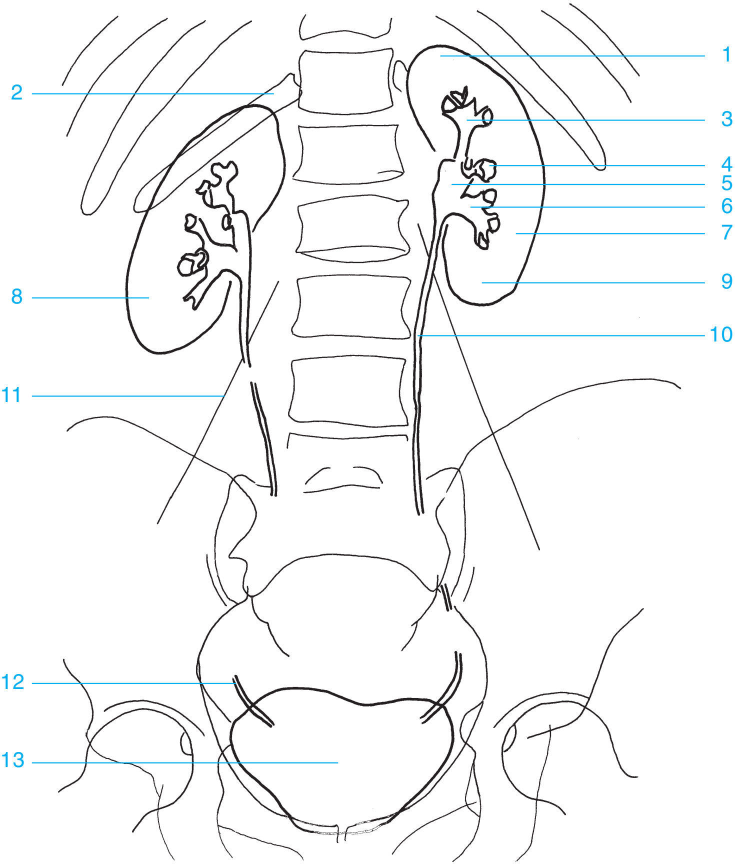
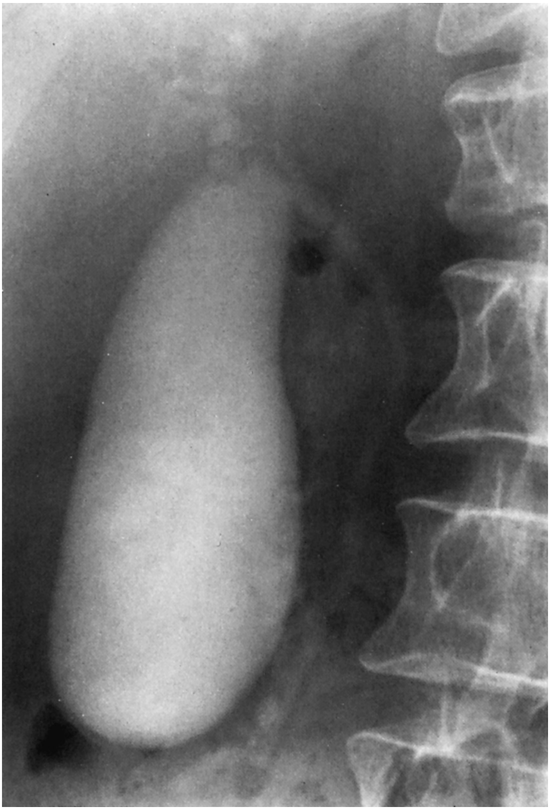
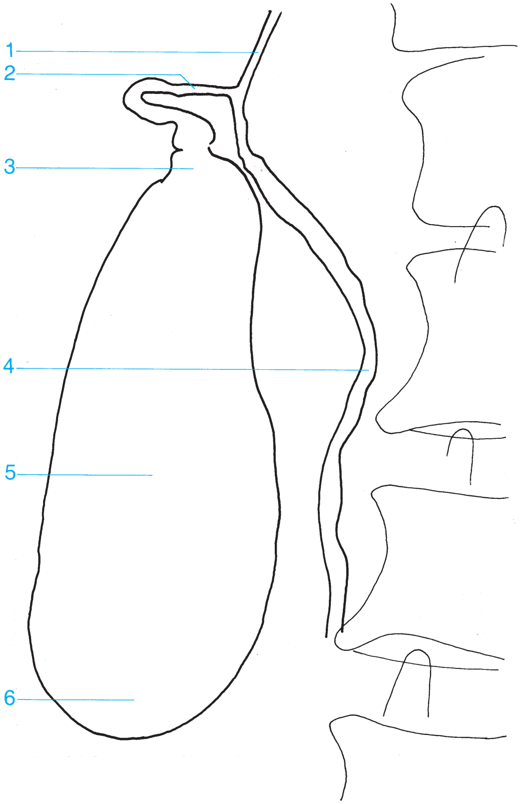
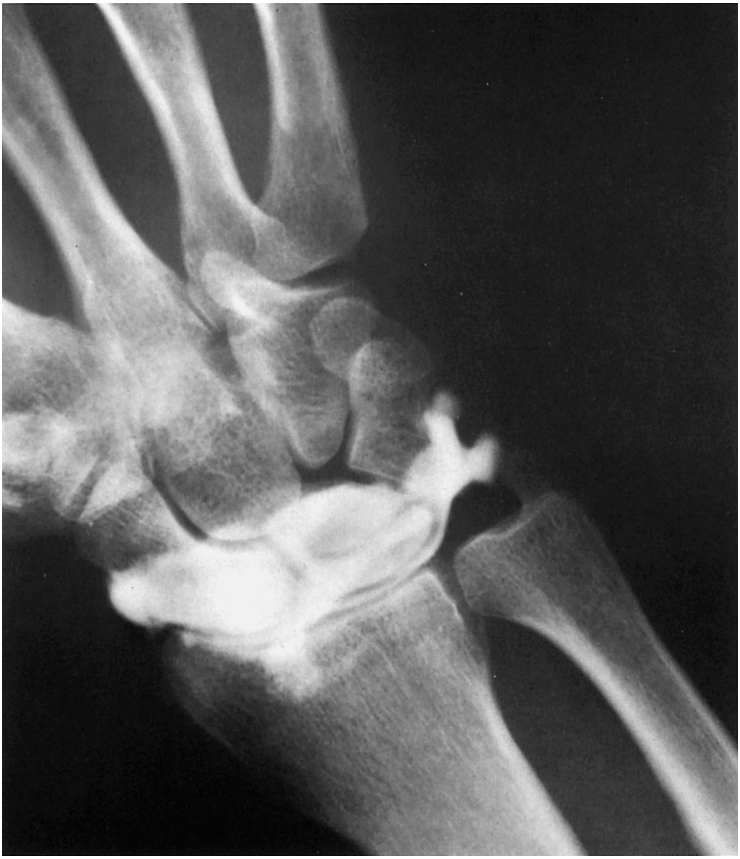


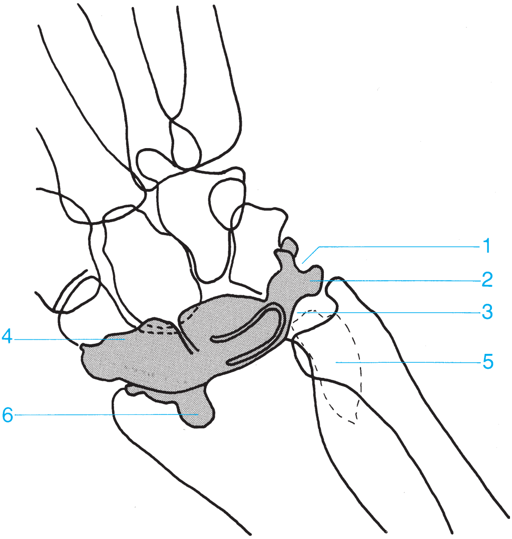
1	Superior pole of the kidney	**8**	Right kidney
2	Twelfth rib	**9**	Inferior pole of the kidney
3	Superior calyces	**10**	Ureter
4	Middle calyces	**11**	Margin of the psoas
5	Renal pelvis	**12**	Distal ureter
6	Inferior calyces	**13**	Urinary bladder
7	Left kidney		



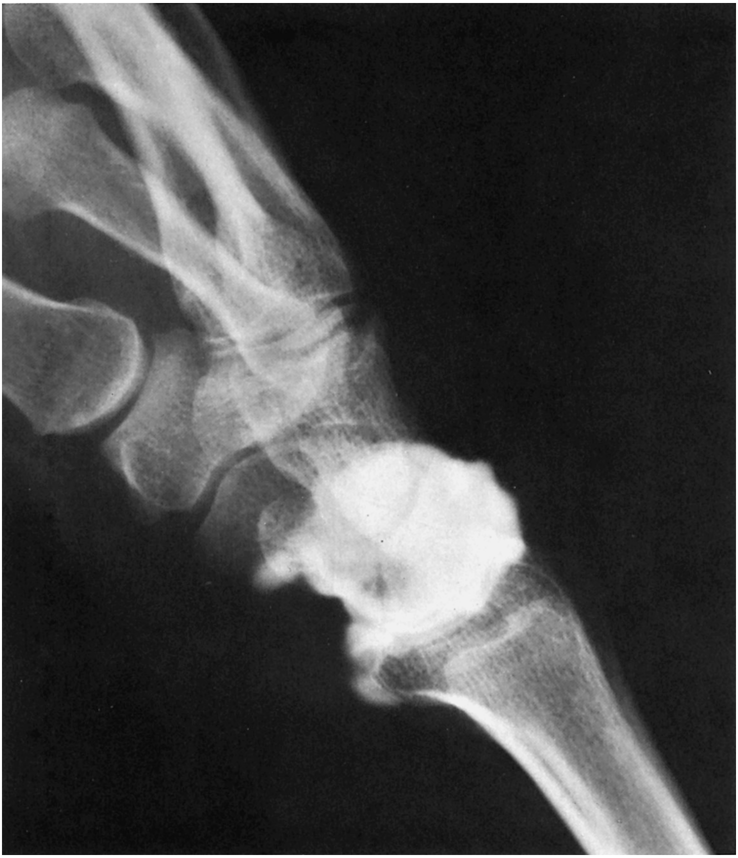


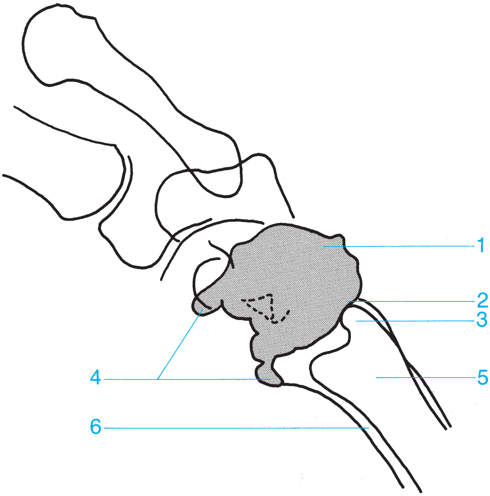
1	Common hepatic duct	**4**	Common bile duct
2	Cystic duct	**5**	Body of the gallbladder
3	Neck of the gallbladder	**6**	Fundus of the gallbladder



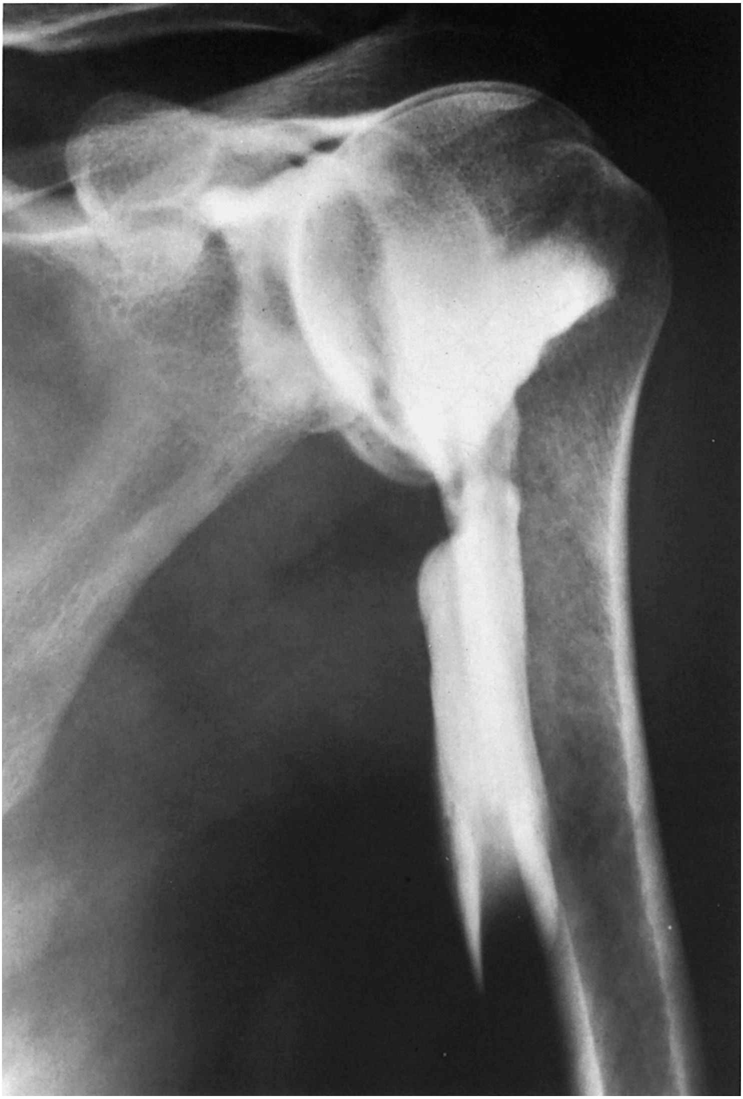


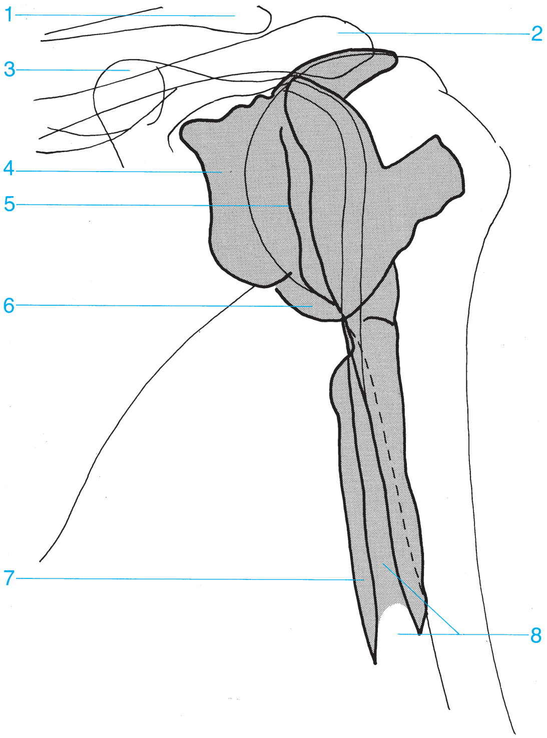
1	Meniscus	**4**	Extensor recess
2	Ulnar recess	**5**	Sacciform recess
3	Triangular fibrocartilage	**6**	Flexor recess



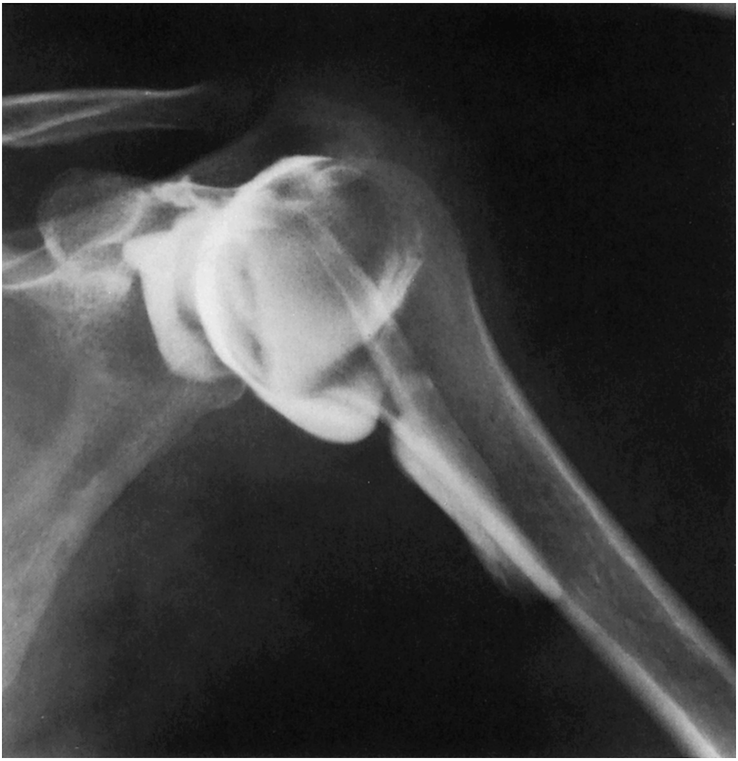


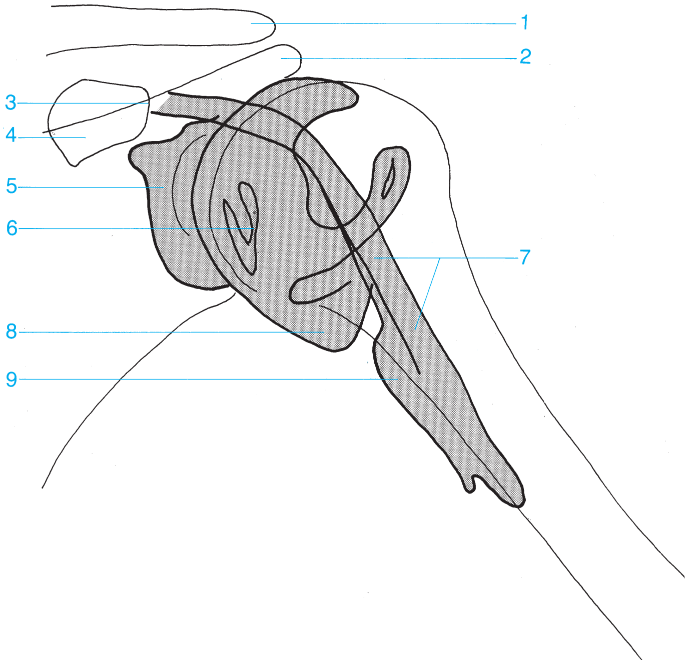
1	Extensor recess	**4**	Flexor recess
2	Ulnar recess	**5**	Ulna
3	Ulnar styloid	**6**	Radius



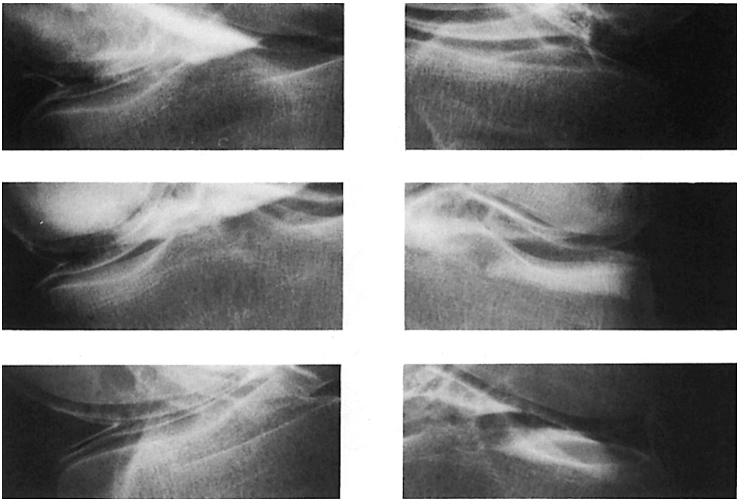


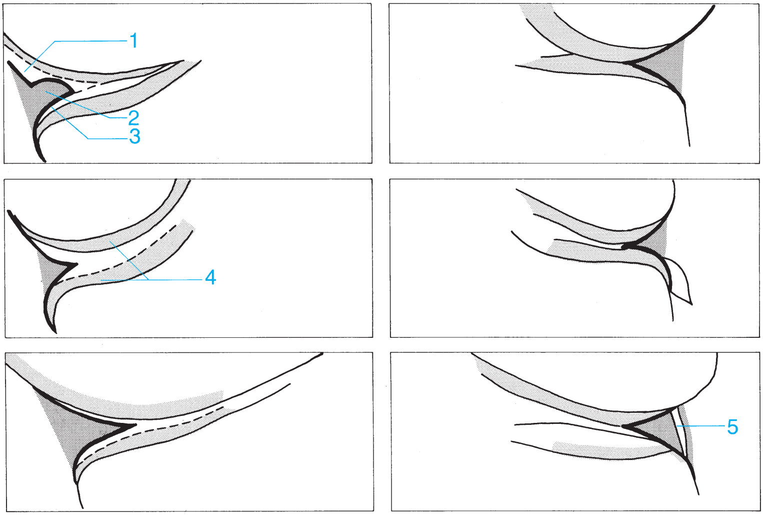
1	Clavicle	**6**	Axillary recess
2	Acromion	**7**	Intertubercular sheath
3	Coracoid process	**8**	Tendon sheath of the long head of the biceps
4	Subscapular bursa		
5	Glenoid labrum		



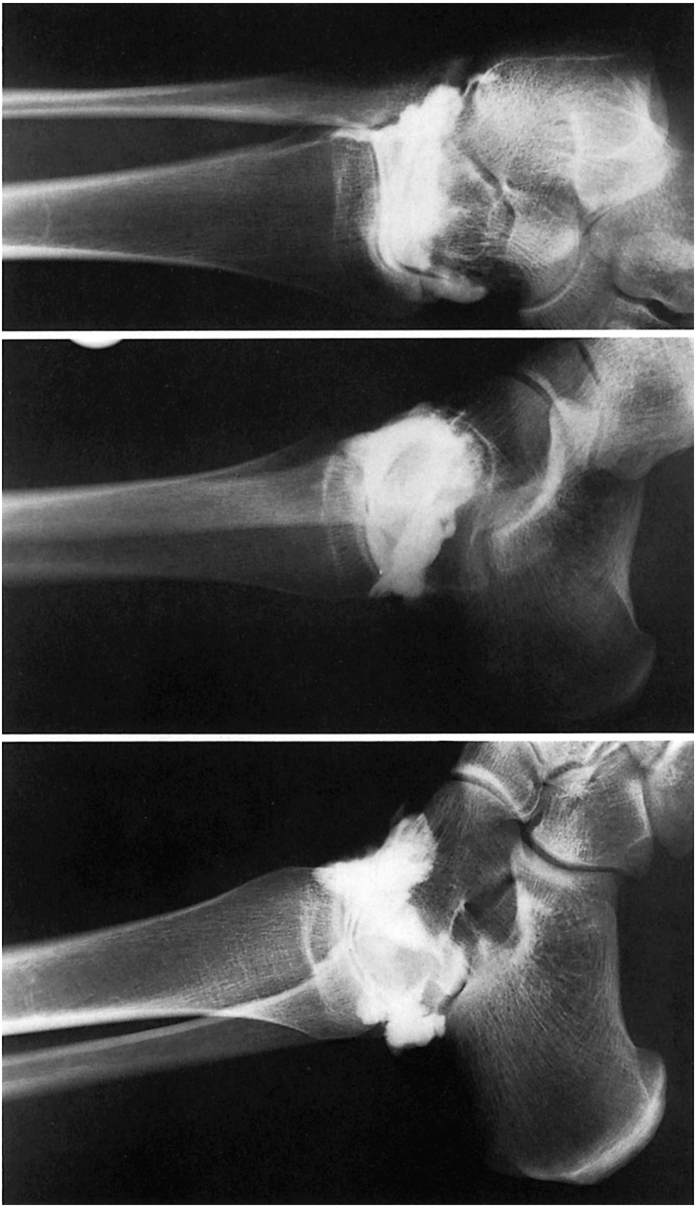


1	Clavicle	**6**	Glenoid labrum
2	Acromion	**7**	Tendon sheath of the long head of the biceps
3	Insertion of the biceps tendon	**8**	Axillary recess
4	Coracoid process	**9**	Intertubercular sheath
5	Subscapular bursa		

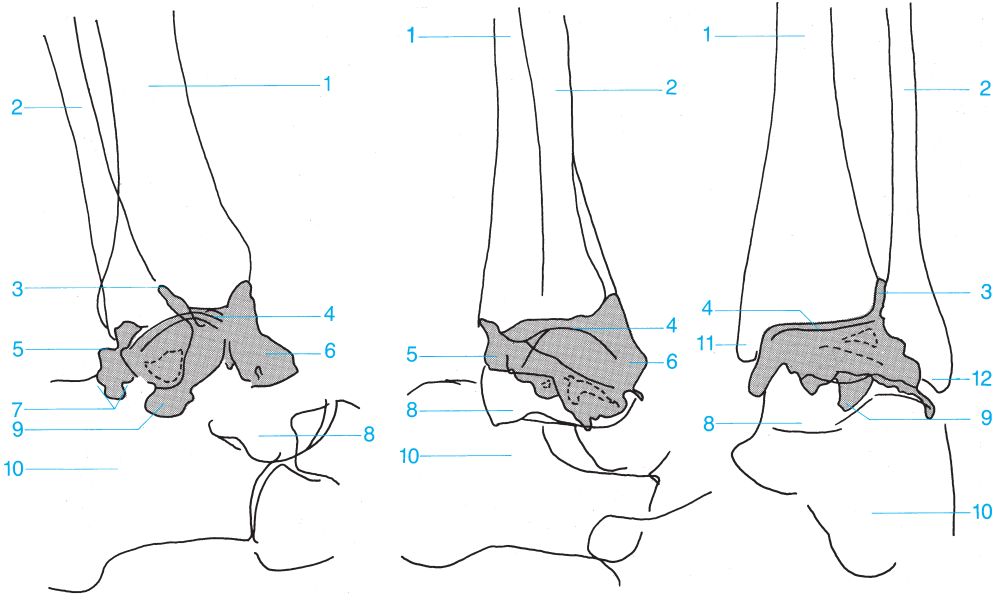




1 Superior capsular recess
2 Meniscus
3 Inferior capsular recess
4 Cartilage
5 Popliteal bursa



1	Tibia
2	Fibula
3	Tibiofibular joint
4	Joint space
5	Posterior recess
6	Anterior recess
7	Tendon recesses (anatomy varies)
8	Talus
9	Supracalcaneal recess
10	Calcaneus
11	Medial malleolus
12	Lateral malleolus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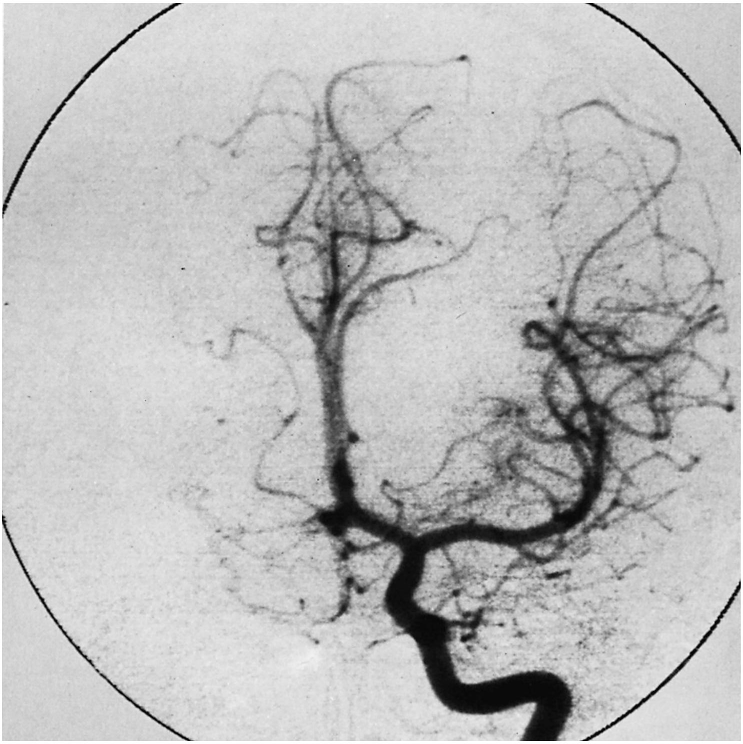
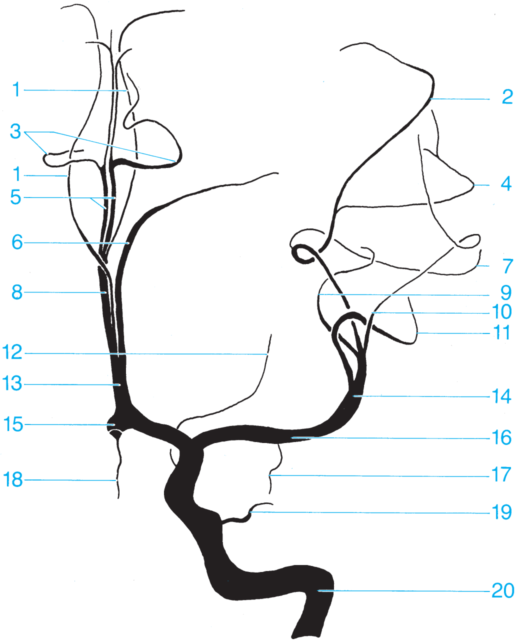
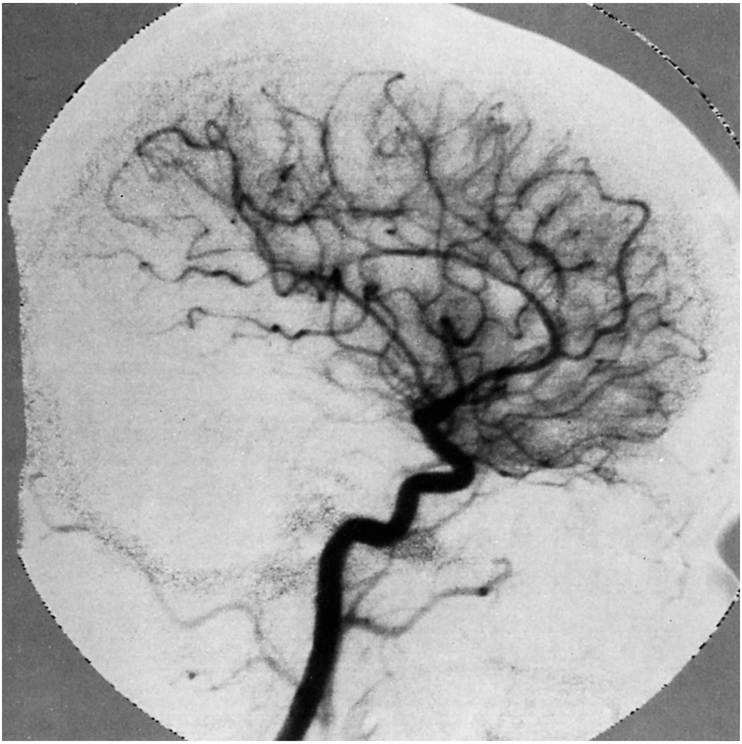
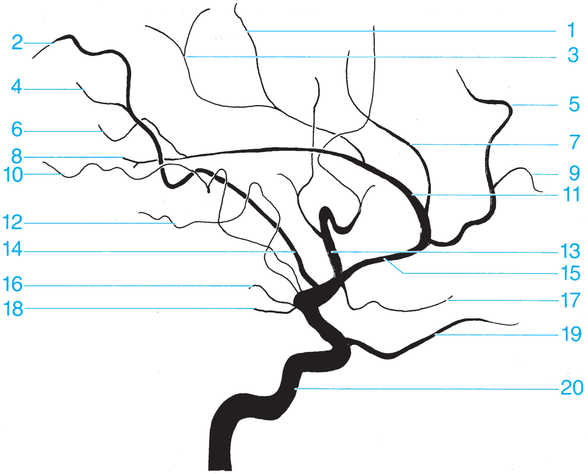


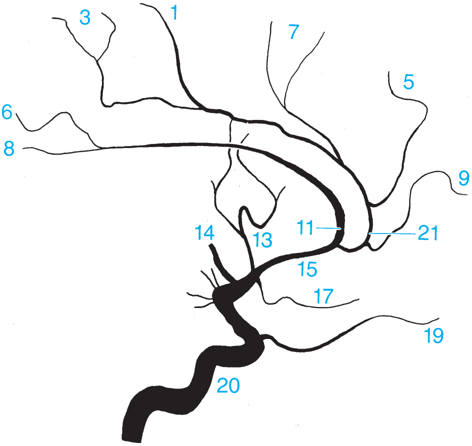


1 Callosomarginal artery
2 Anterior parietal artery
3 Pericallosal artery
4 Posterior parietal artery
5 Pericallosal artery (fourth segment of the anterior cerebral artery, superior to the corpus callosum)
6 Frontal polar artery
7 Precentral sulcal artery
8 Third segment of the anterior cerebral artery or pericallosal artery
9 Artery of the angular gyrus
10 Posterior temporal artery
11 Prefrontal arteries
12 Anterior choroidal artery
13 Second segment of the anterior cerebral artery (from here on referred to as the pericallosal artery)
14 Second segment of the middle cerebral artery
15 Anterior communicating artery of the cerebrum (obscured by a vascular arch)
16 First segment of the middle cerebral artery (sphenoid part)
17 Temporal polar artery
18 Frontal orbital artery
19 Ophthalmic artery
20 Internal carotid artery

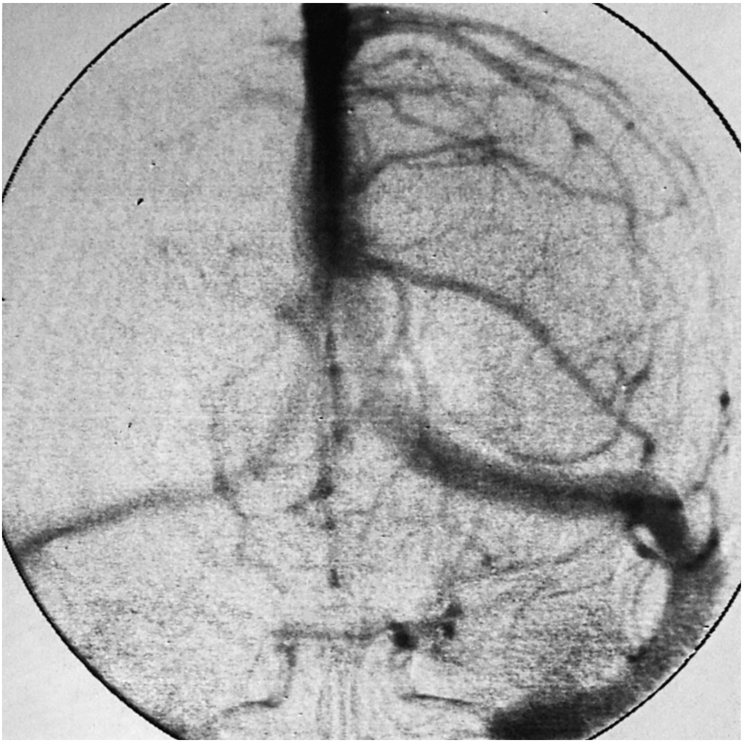


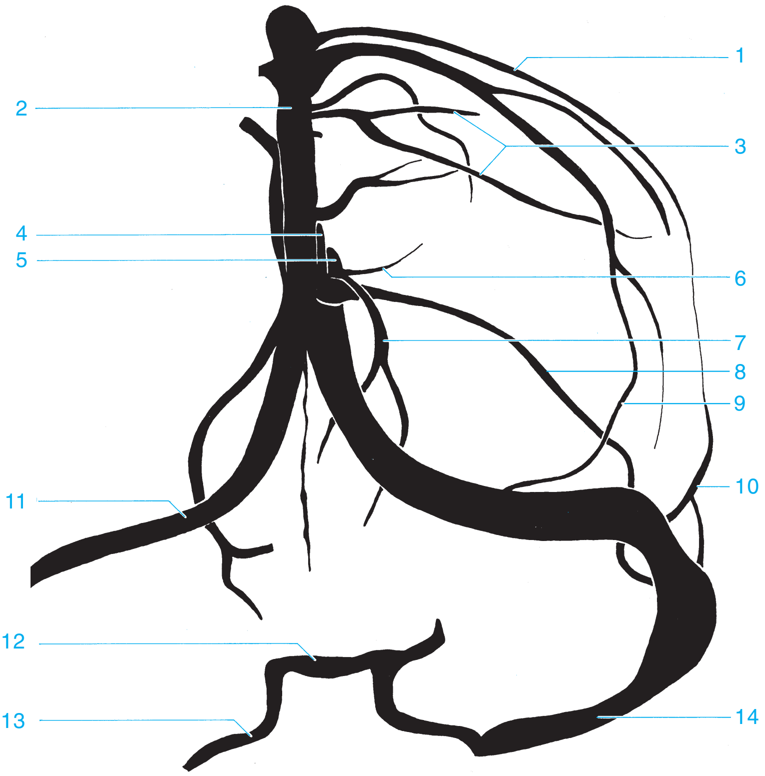


Variant (40%)

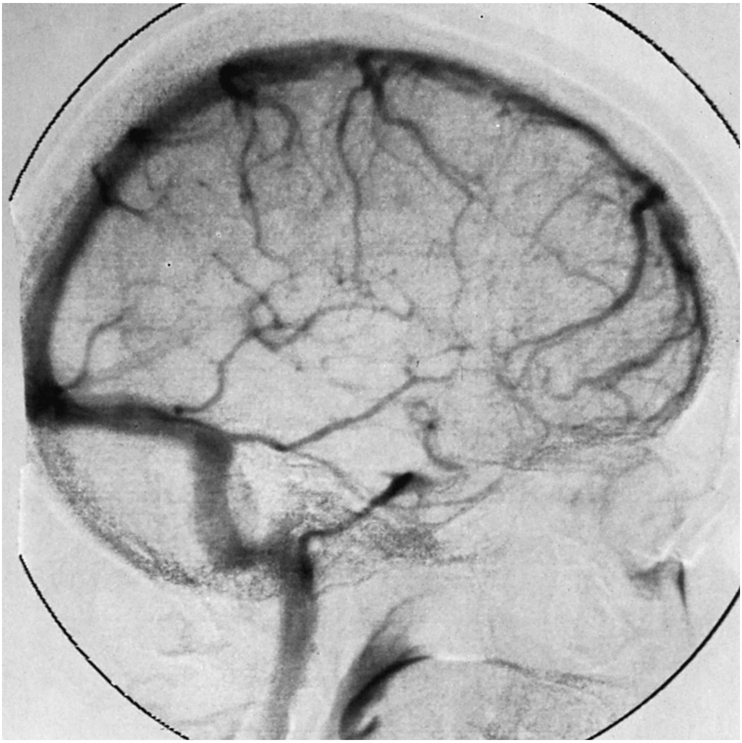


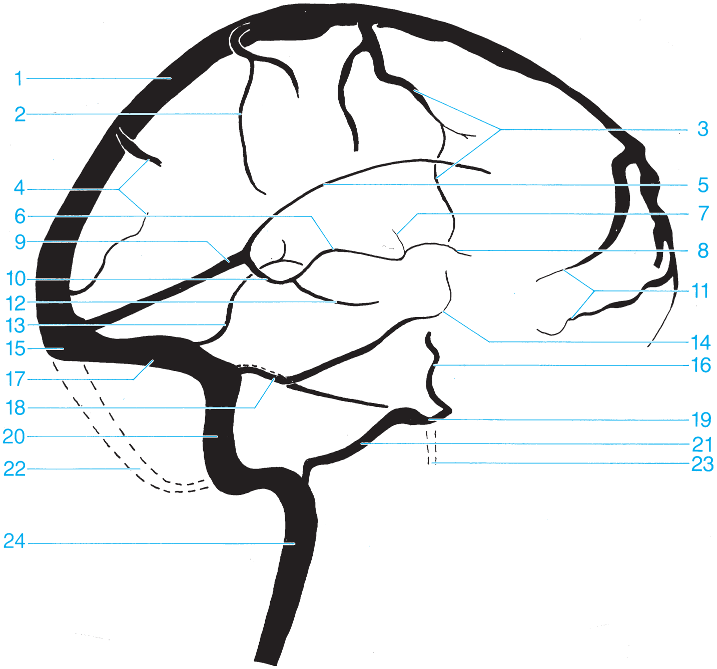
1 Posterior internal frontal artery
2 Anterior parietal artery
3 Paracentral artery
4 Posterior parietal artery
5 Anterior internal frontal artery
6 Superior internal parietal artery
7 Medial internal frontal artery
8 Inferior internal parietal artery
9 Frontal polar artery
10 Artery of the angular gyrus
11 Pericallosal artery
12 Posterior temporal artery
13 Prefrontal arteries
14 Second segment of the middle cerebral artery
15 Second segment of the anterior cerebral artery
16 Anterior choroidal artery
17 Frontal orbital artery
18 Posterior communicating artery
19 Ophthalmic artery
20 Internal carotid artery
21 Callosomarginal artery



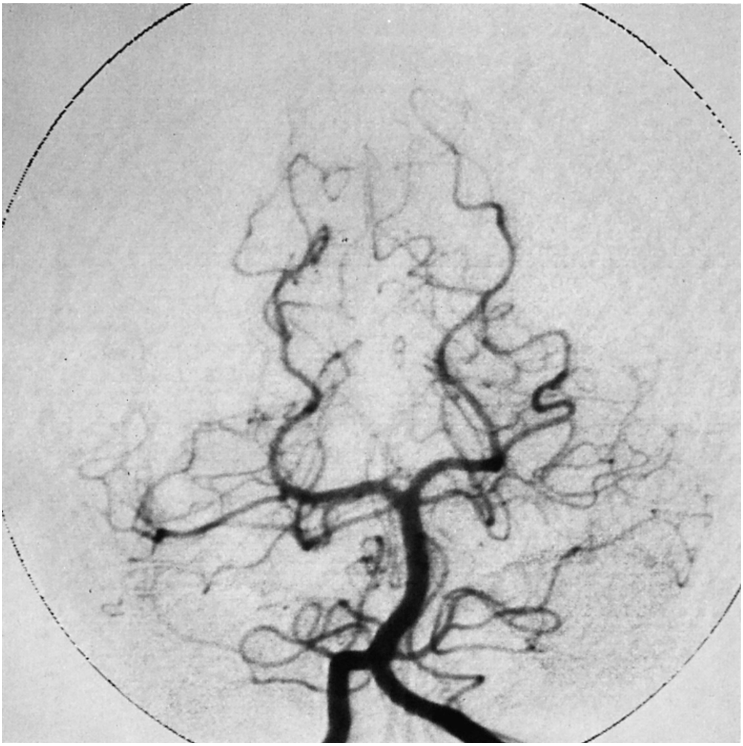


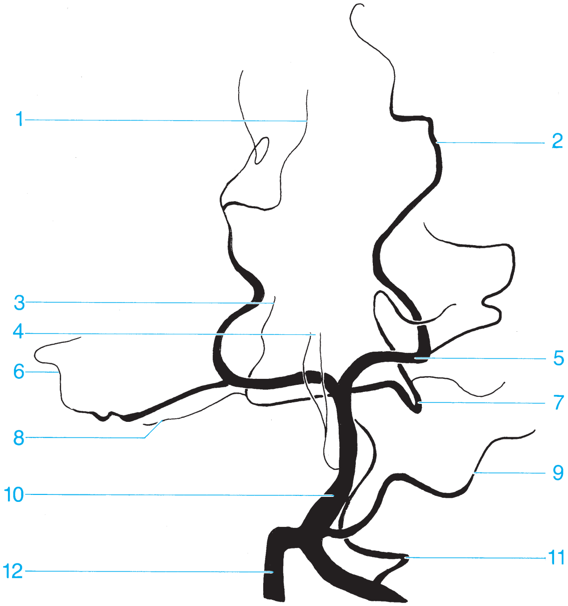
1	Parietal vein	**8**	Frontal veins
2	Superior sagittal sinus	**9**	Veins of the fossa of Sylvius
3	Superior anastomotic vein (vein of Trolard)	**10**	Sphenoparietal sinus
4	Great cerebral vein of Galen	**11**	Transverse sinus
5	Internal cerebral vein	**12**	Intercavernous sinus
6	Superior thalamostriate vein	**13**	Inferior petrosal sinus
7	Basal vein of Rosenthal	**14**	Sigmoid sinus



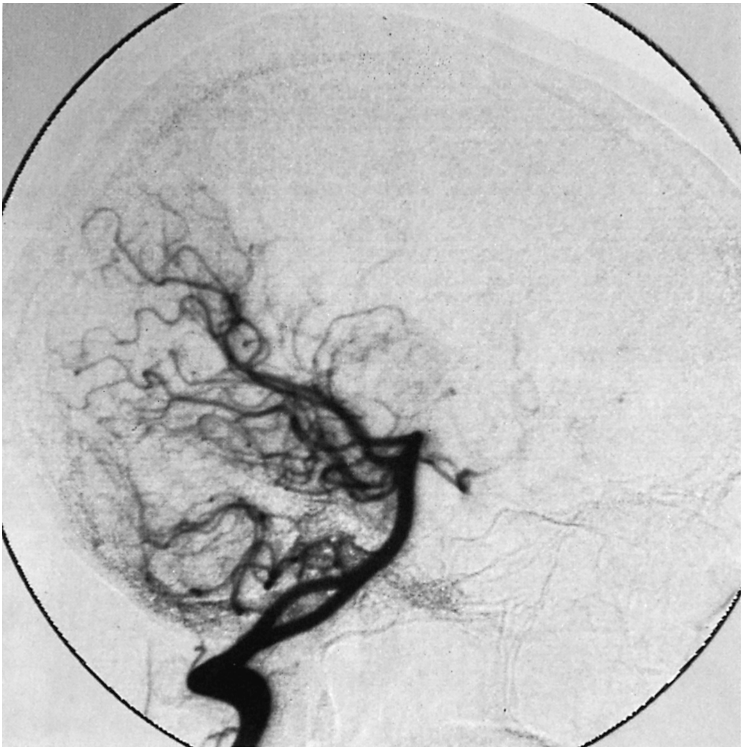


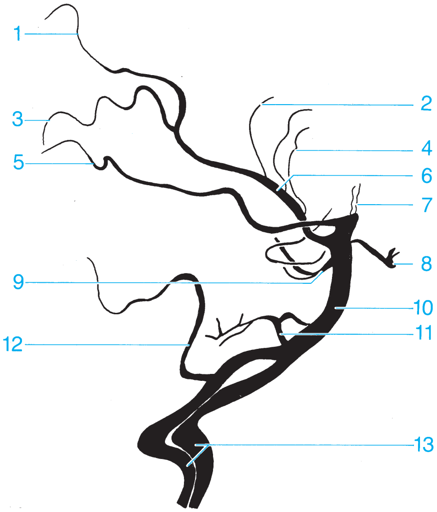
1 Superior sagittal sinus
2 Parietal vein
3 Superior anastomotic vein (vein of Trolard)
4 Occipital veins
5 Inferior sagittal sinus
6 Internal cerebral vein
7 Superior thalamostriate veins
8 Vein of the septum pellucidum
9 Straight sinus
10 Great cerebral vein of Galen
11 Ascending frontal veins
12 Basal vein of Rosenthal
13 Inferior anastomotic vein (vein of Labbé)
14 Veins of the fossa of Sylvius
15 Confluence of sinuses
16 Cavernous sinus (anterior drainage)
17 Transverse sinus
18 Superior petrosal sinus
19 Cavernous sinus (posterior drainage)
20 Sigmoid sinus
21 Inferior petrosal sinus
22 Occipital sinus
23 Pterygoid plexus
24 Internal jugular vein



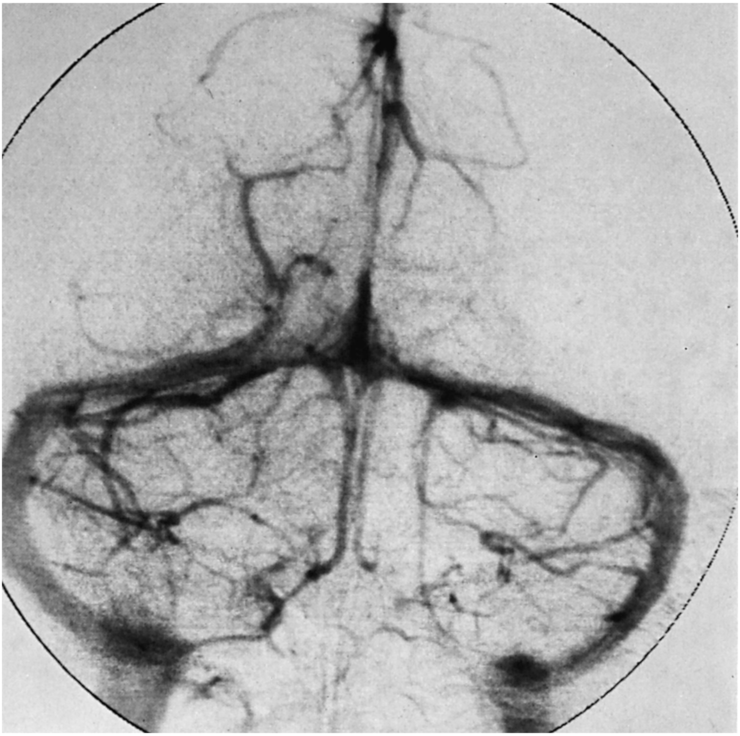


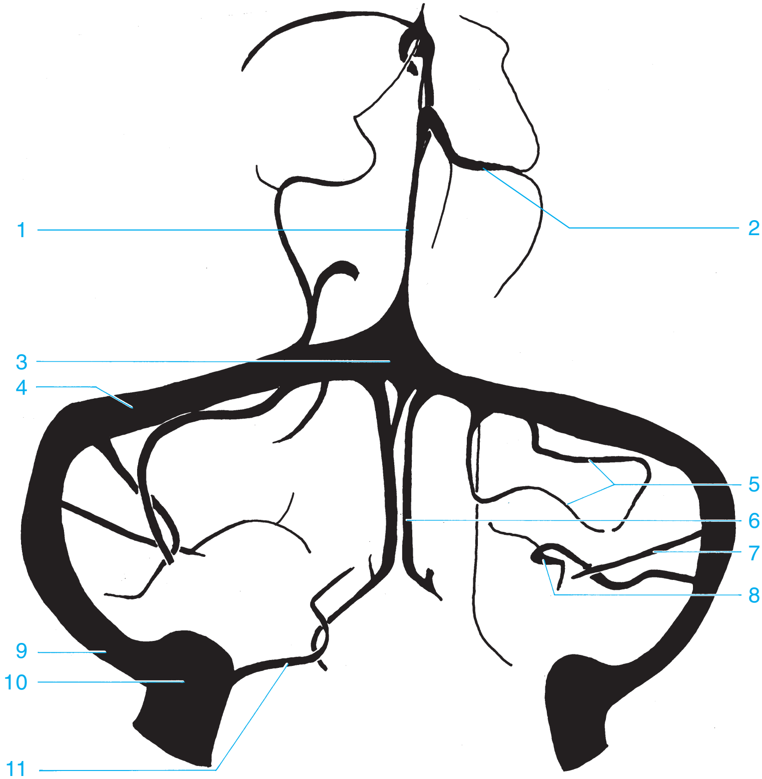
1	Calcarine branch of the medial occipital artery	**7**	Superior cerebellar artery
2	Parieto-occipital artery	**8**	Marginal artery
3	Vermis branch	**9**	Anterior inferior cerebellar artery
4	Thalamoperforate arteries	**10**	Basilar artery
5	Posterior cerebral artery	**11**	Posterior inferior cerebellar artery
6	Temporo-occipital artery	**12**	Vertebral artery



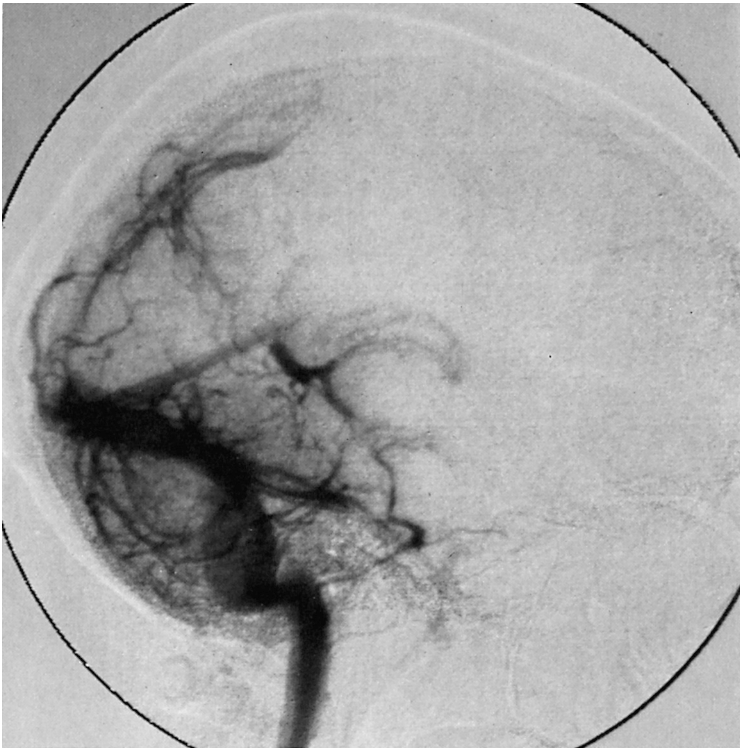


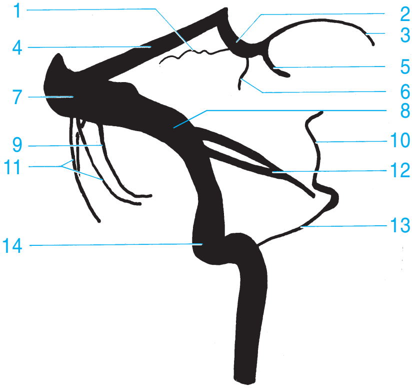
1 Parieto-occipital artery
2 Dorsal corpus callosal branch
3 Calcarine branch of the medial occipital artery
4 Choroidal arteries (posterior, medial, and lateral)
5 Temporo-occipital artery
6 Posterior cerebral artery
7 Branches of the posterior cerebral artery to the thalamus
8 Posterior communicating artery
9 Superior cerebellar artery
10 Basilar artery
11 Anterior inferior cerebellar artery
12 Posterior inferior cerebellar artery
13 Vertebral arteries



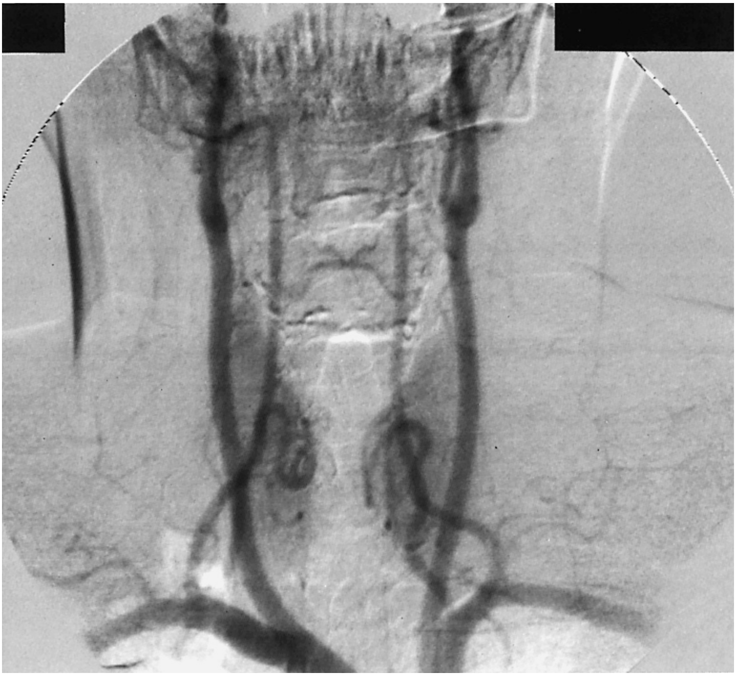


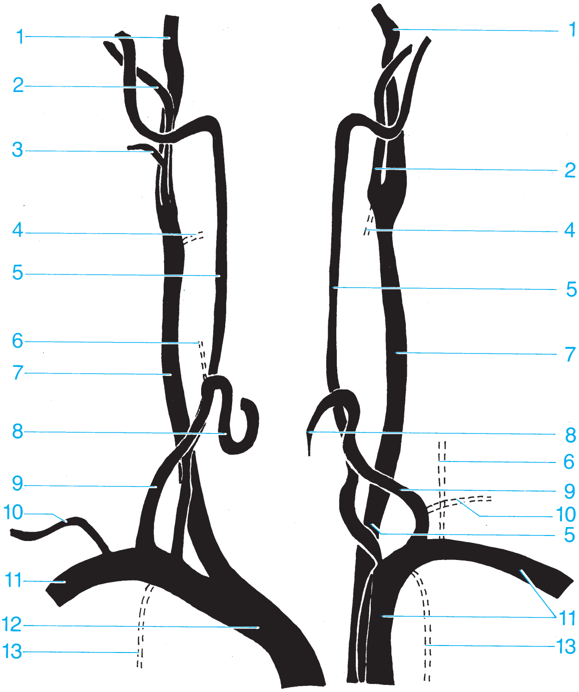
1	Straight sinus	**7**	Inferior vein of the cerebellar hemisphere
2	Superior cerebral veins	**8**	Petrosal vein (entering the superior petrosal sinus)
3	Confluence of sinuses	**9**	Sigmoid sinus
4	Transverse sinus	**10**	Bulb of the jugular vein
5	Veins of the cerebellar hemisphere	**11**	Inferior petrosal sinus
6	Inferior vein of the vermis		



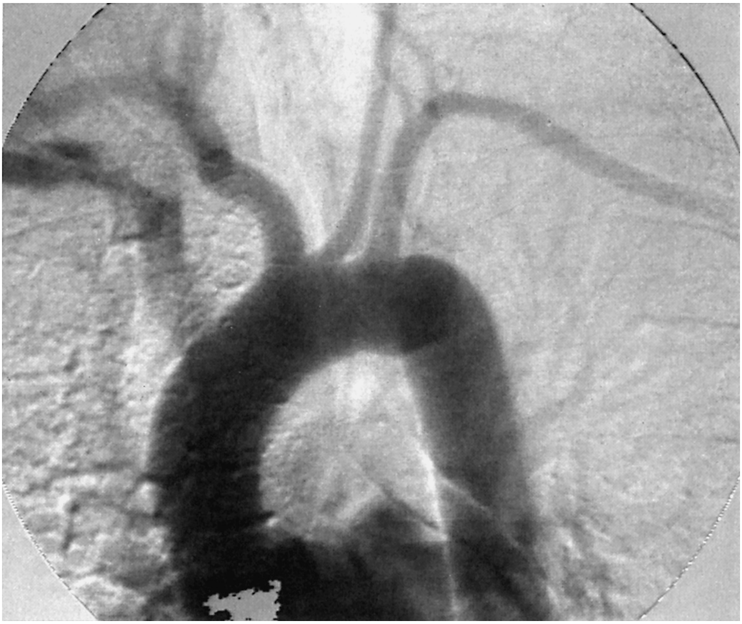


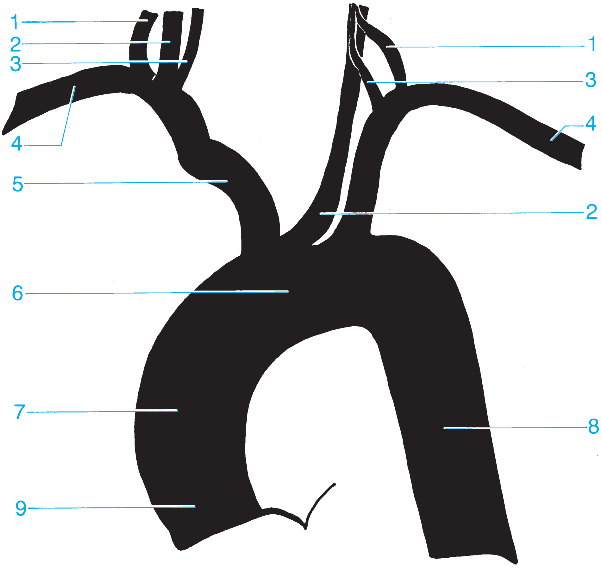
1	Superior veins of the cerebellar hemisphere	**9**	Inferior veins of the cerebellar hemisphere
2	Great cerebral vein of Galen	**10**	Cavernous sinus
3	Internal cerebral vein	**11**	Inferior veins of the cerebellar hemisphere
4	Straight sinus	**12**	Superior petrosal sinus
5	Basal vein of Rosenthal	**13**	Inferior petrosal sinus
6	Precentral cerebellar vein	**14**	Sigmoid sinus
7	Confluence of sinuses		
8	Transverse sinus		



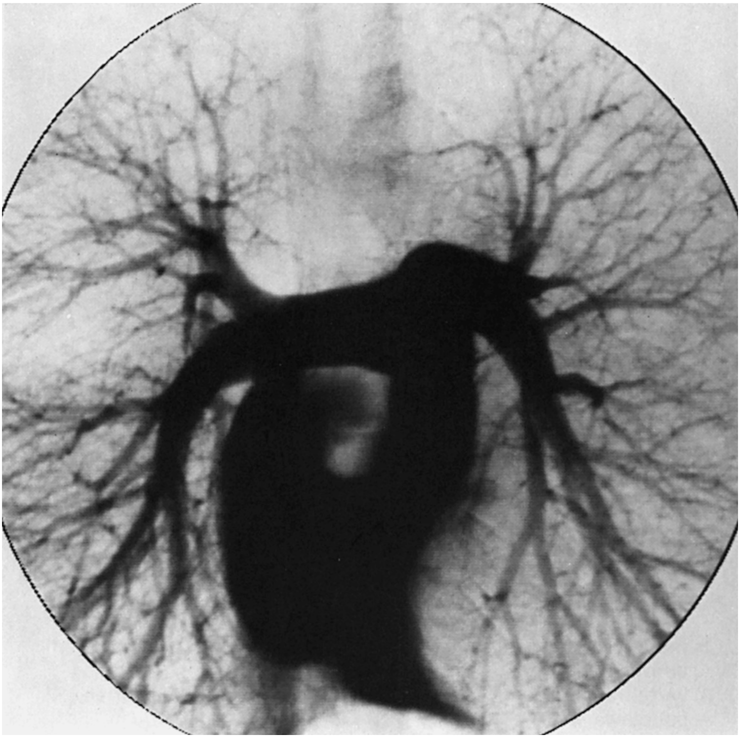


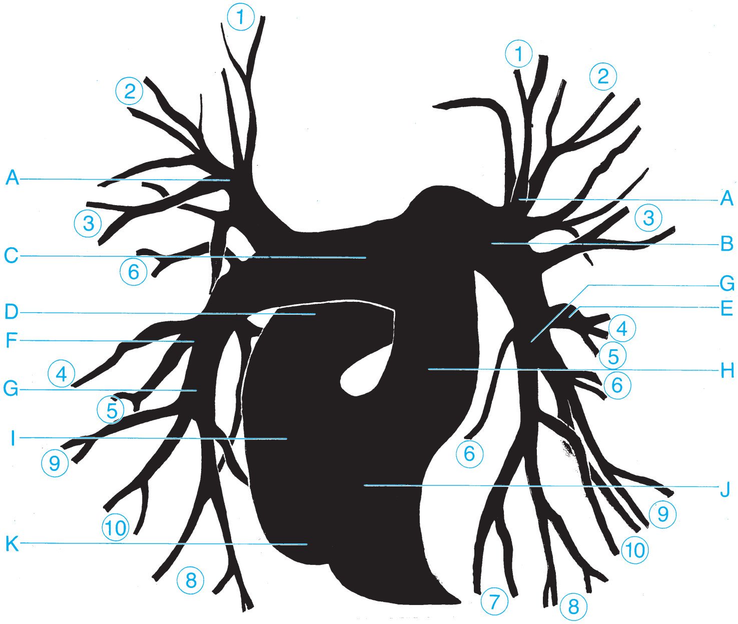
1 Internal carotid artery
2 External carotid artery
3 Facial artery
4 Superior thyroid artery
5 Vertebral artery
6 Ascending cervical artery
7 Common carotid artery
8 Inferior thyroid artery
9 Thyrocervical trunk
10 Suprascapular artery
11 Subclavian artery
12 Brachiocephalic trunk
13 Internal thoracic artery





1	Thyrocervical trunk	**6**	Aortic arch
2	Common carotid artery	**7**	Ascending aorta
3	Vertebral artery	**8**	Descending aorta
4	Subclavian artery	**9**	Aortic bulb
5	Brachiocephalic trunk		

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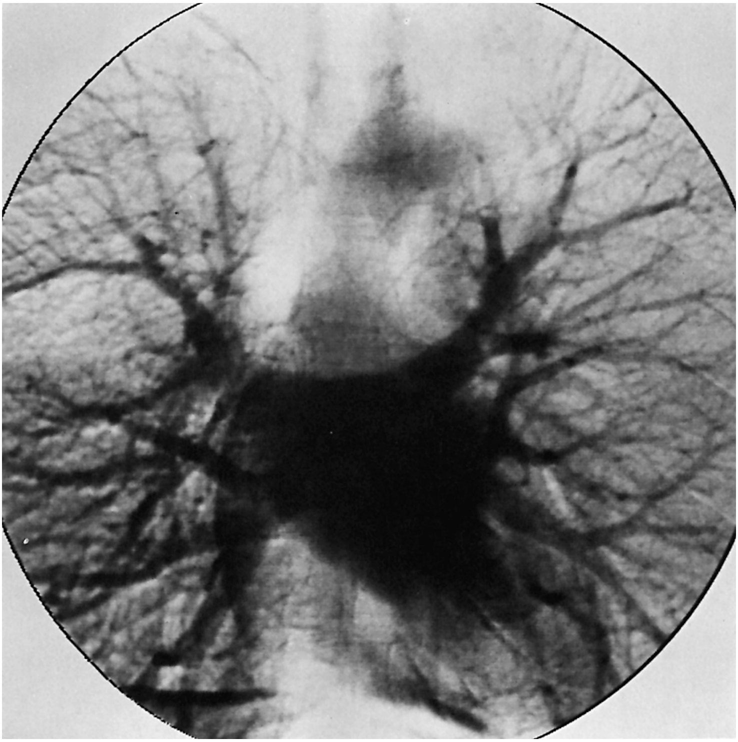
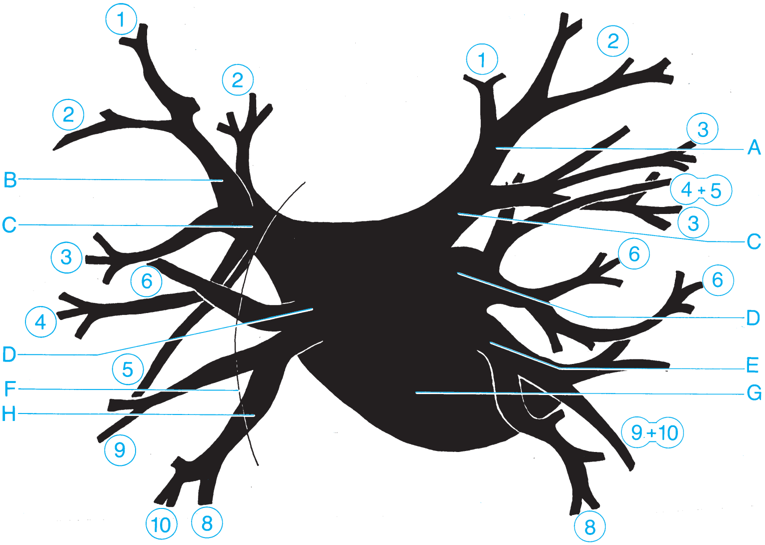
○ = Segmental arteries 1-10

A Apical branch
B Left pulmonary artery
C Right pulmonary artery
D Superior vena cava
E Lingular branch
F Middle lobar branch of the pulmonary artery
G Inferior lobar branch of the pulmonary artery
H Pulmonary trunk
I Right atrium
J Right ventricle
K Inferior vena cava

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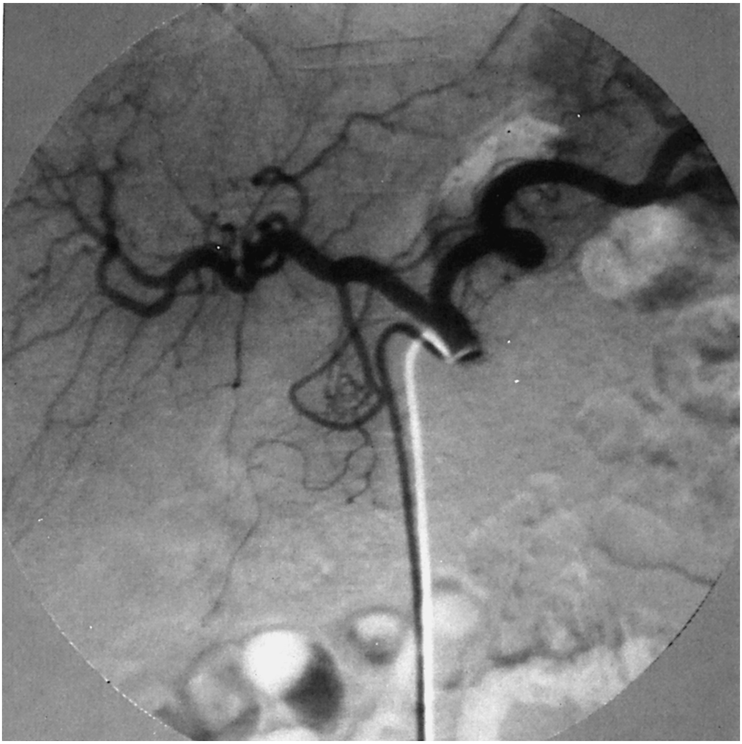
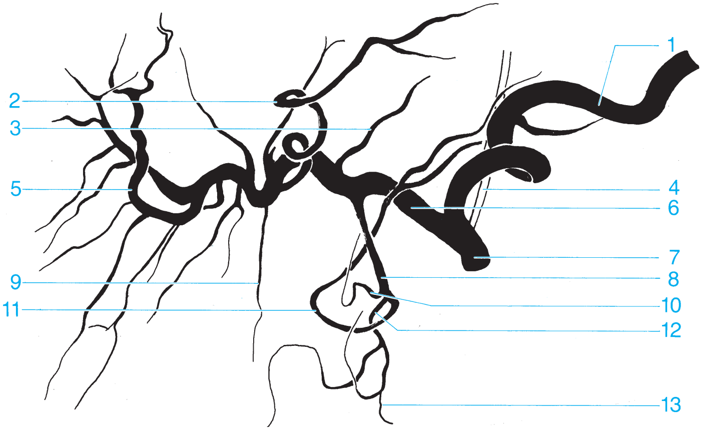
○ = Segmental arteries 1-10

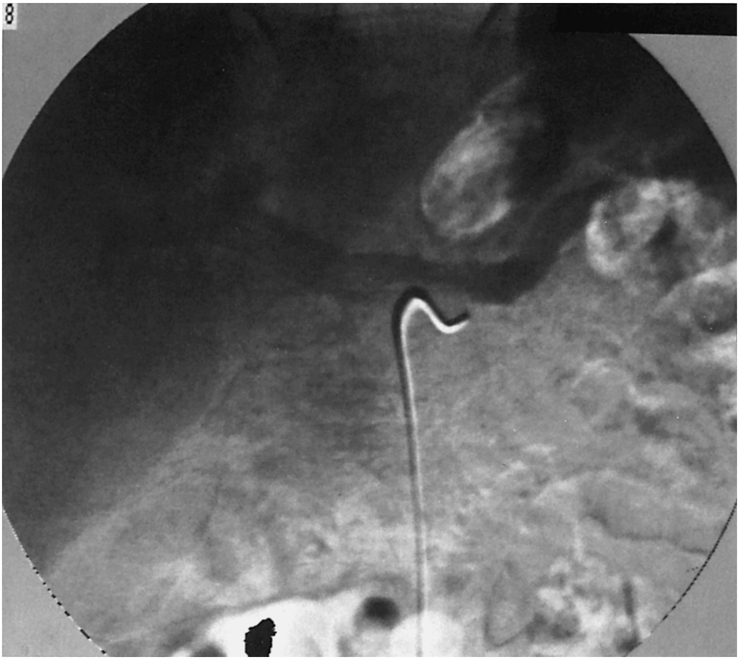
A	Apicoposterior branch	**E**	Common basal vein
B	Apical branch	**F**	Right atrium
C	Inferior pulmonary vein	**G**	Left atrium
D	Superior pulmonary vein	**H**	Inferior basal vein



Celiac Trunk Angiogram, Arterial Phase



1 Splenic artery
2 Left branch of the proper hepatic artery
3 Right gastric artery
4 Left gastric artery
5 Right branch of the proper hepatic artery
6 Common hepatic artery
7 Celiac trunk
8 Gastroduodenal artery
9 Cystic artery
10 superior supraduodenal artery
11 Right gastroepiploic artery
12 Superior pancreaticoduodenal artery
13 Inferior pancreaticoduodenal artery (anastomosis with the superior mesenteric artery)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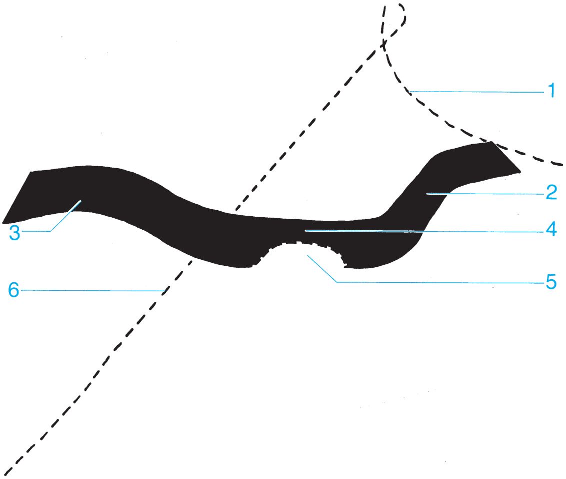
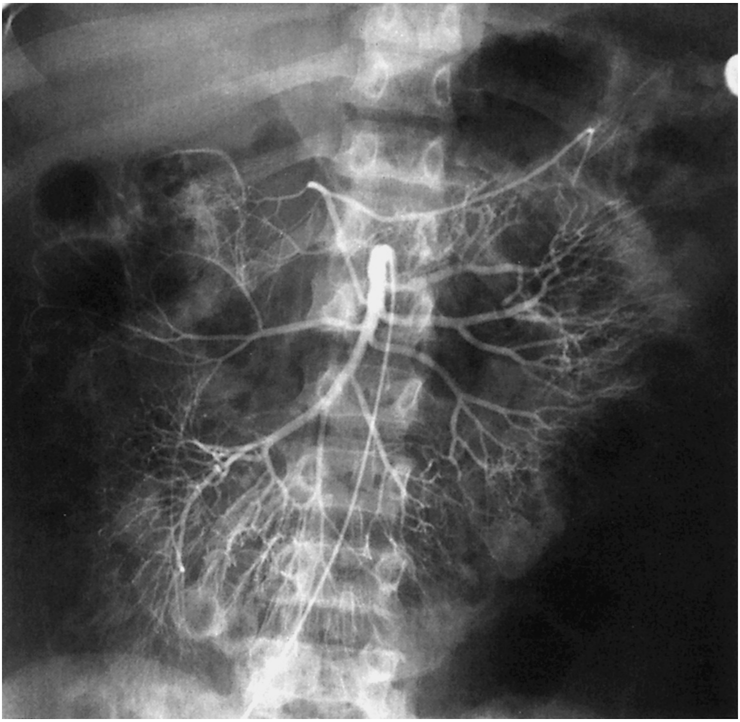
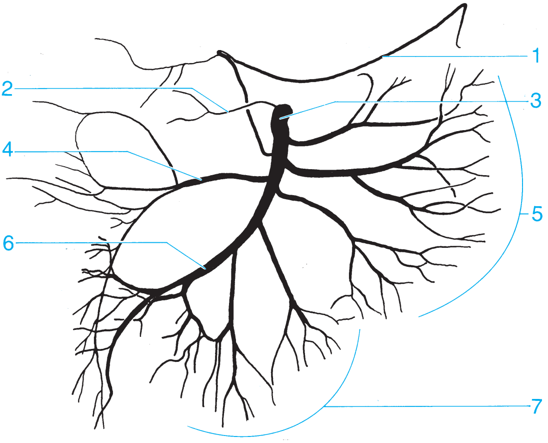
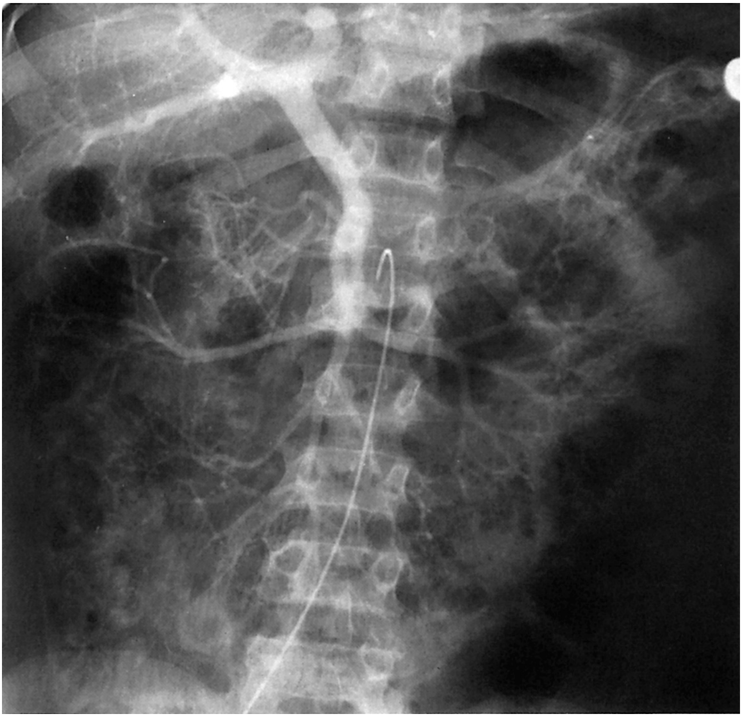


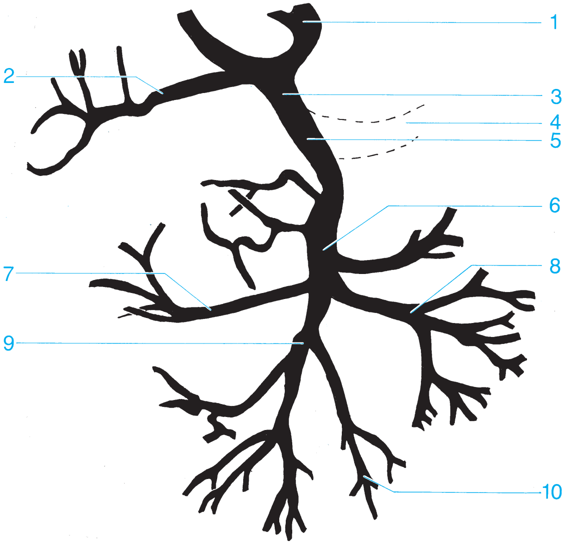
1	Spleen	**4**	Confluence
2	Splenic vein	**5**	Junction of the mesenteric vein
3	Portal vein	**6**	Liver



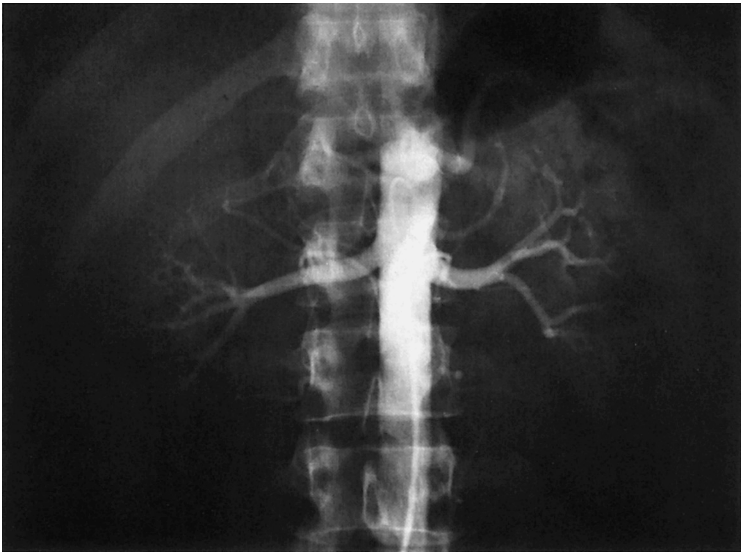


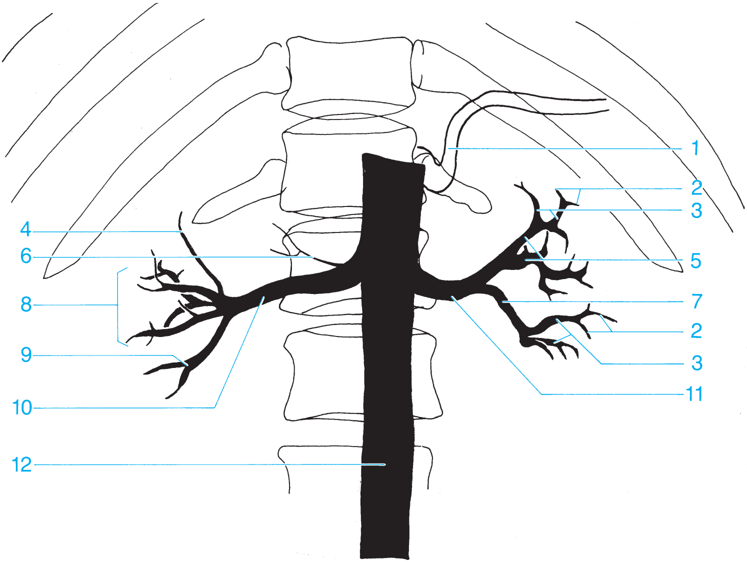
- **1** Middle colic artery
- **2** Inferior pancreaticoduodenal artery
- **3** Superior mesenteric artery
- **4** Right colic artery
- **5** Jejunal arteries
- **6** Ileocolic artery
- **7** Ileal arteries



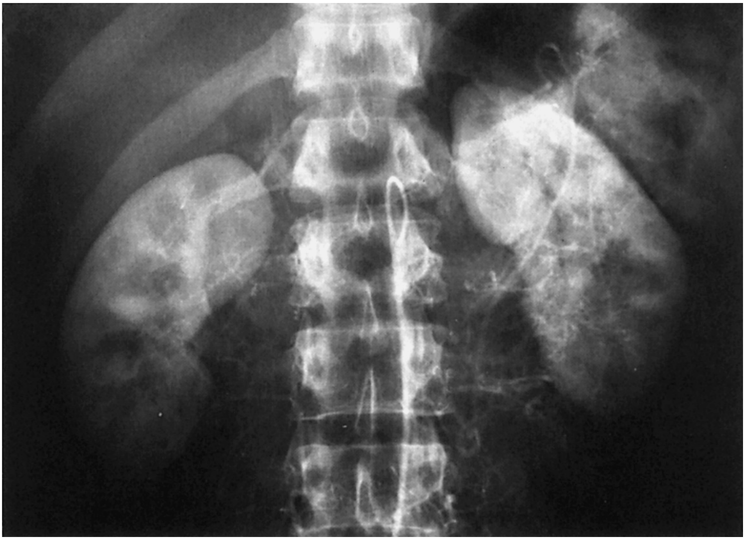


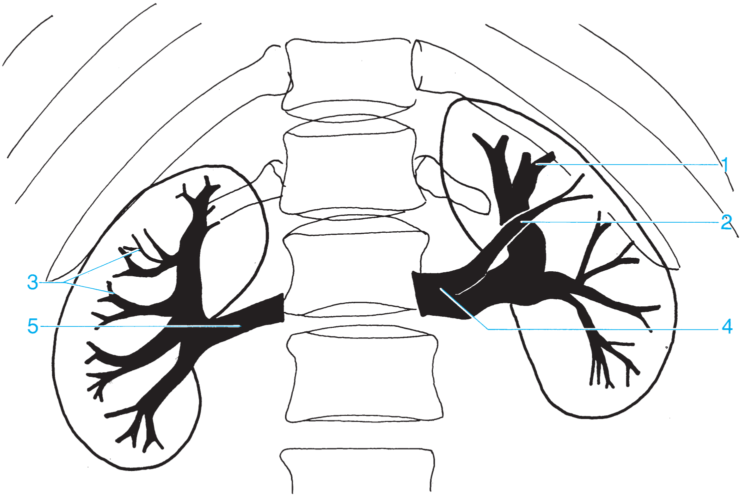
1	Left branch of the portal vein	**6**	Superior mesenteric vein
2	Right branch of the portal vein	**7**	Right colic vein
3	Portal vein	**8**	Jejunal veins
4	Splenic vein	**9**	Ileocolic vein
5	Confluence	**10**	Ileal veins



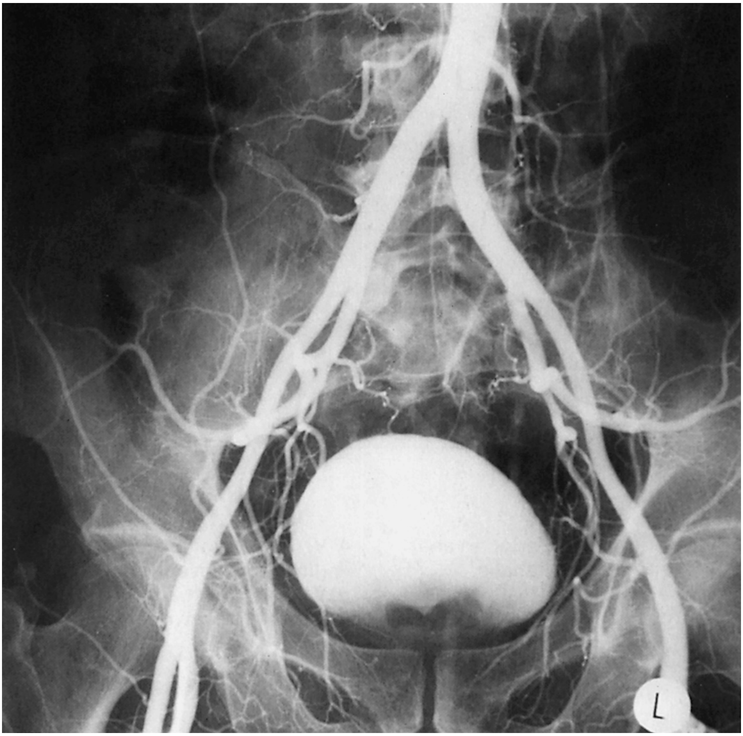


1	Splenic artery	**7**	Segmental arteries (posterior branch)
2	Arcuate arteries	**8**	Middle segmental artery
3	Interlobular arteries	**9**	Inferior segmental artery
4	Superior segmental artery	**10**	Right renal artery
5	Segmental arteries (anterior branch)	**11**	Left renal artery
6	Inferior adrenal artery	**12**	Abdominal aorta





1 Interlobular vein
2 Superior branch of the renal vein
3 Arcuate vein
4 Left renal vein
5 Right renal vein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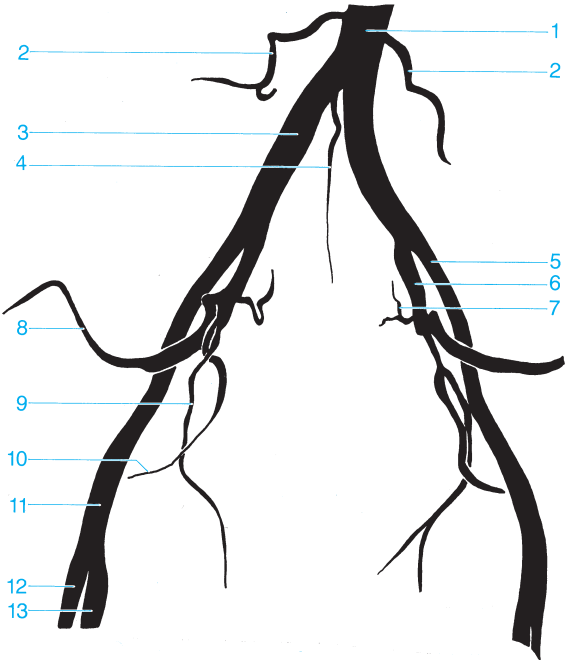
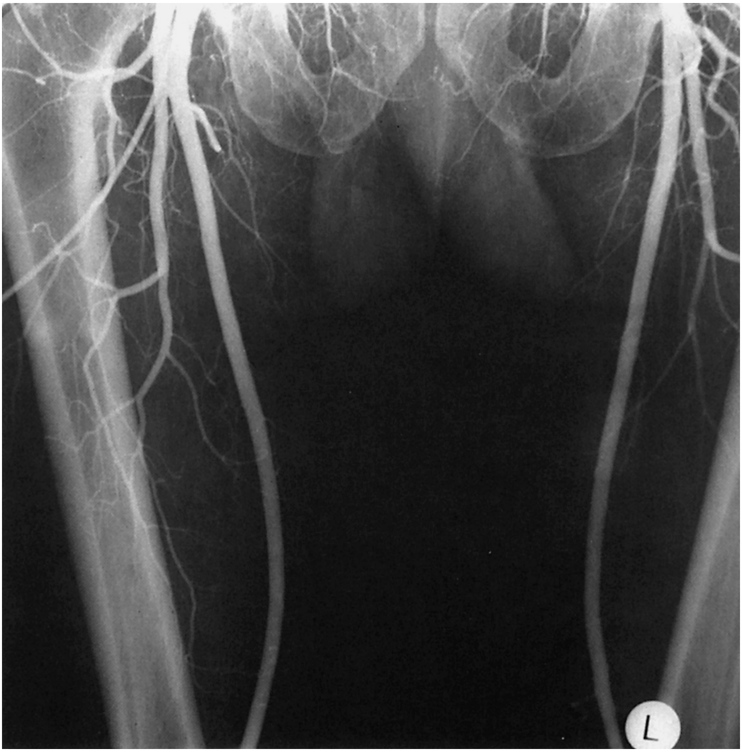


1	Abdominal aorta	**8**	Superior gluteal artery
2	Lumbar artery	**9**	Obturator artery
3	Common iliac artery	**10**	Inferior gluteal artery
4	Median sacral artery	**11**	Common femoral artery
5	External iliac artery	**12**	Deep femoral artery
6	Internal iliac artery	**13**	Superficial femoral artery
7	Lateral sacral artery		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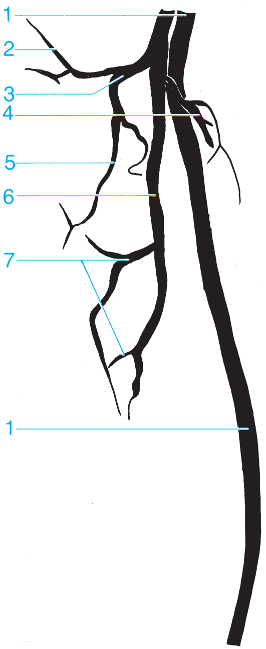
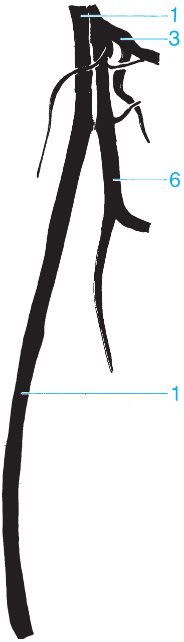
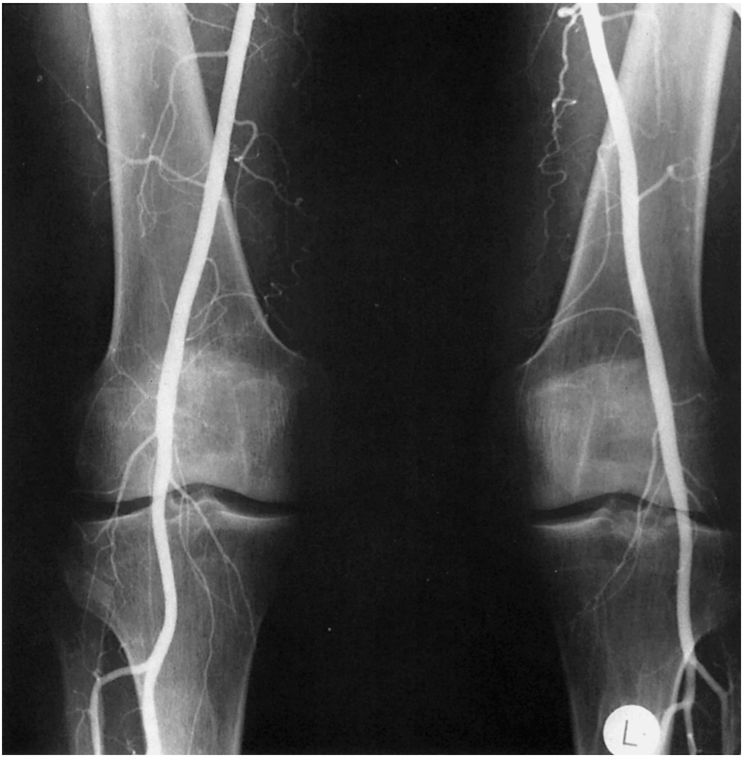




1	Superficial femoral artery
2	Ascending branch of the lateral femoral circumflex artery
3	Lateral femoral circumflex artery
4	Medial femoral circumflex artery
5	Descending branch of the lateral femoral circumflex artery
6	Deep femoral artery
7	Perforating artery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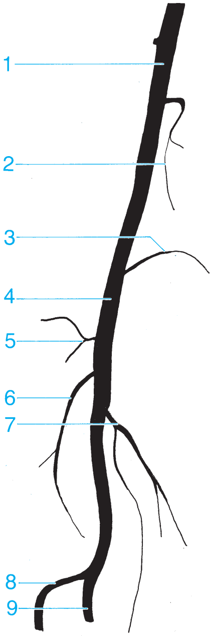
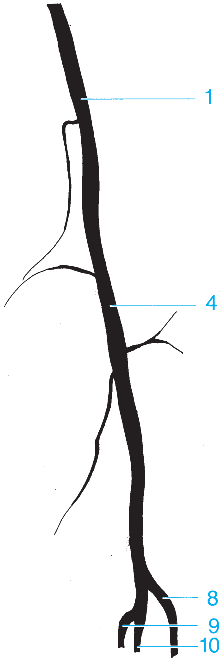
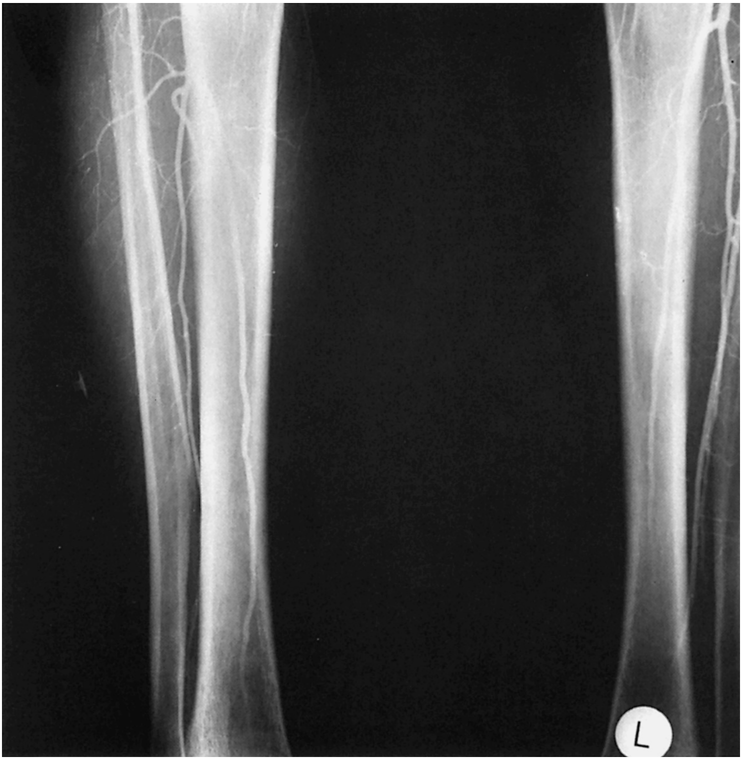
Lower Extremity Angiogram of the Knee





1	Superficial femoral artery
2	Descending genicular artery
3	Superior medial genicular artery
4	Popliteal artery
5	Superior lateral genicular artery
6	Middle genicular artery
7	Inferior medial genicular artery
8	Anterior tibial artery
9	Posterior tibial artery
10	Peroneal artery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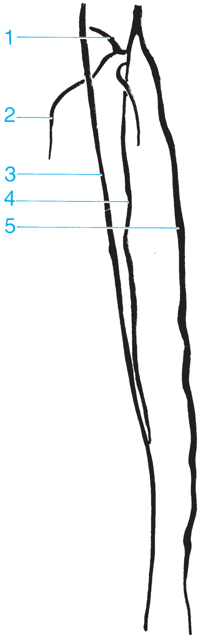
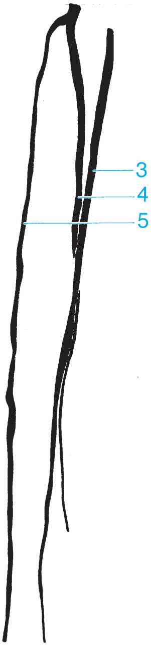
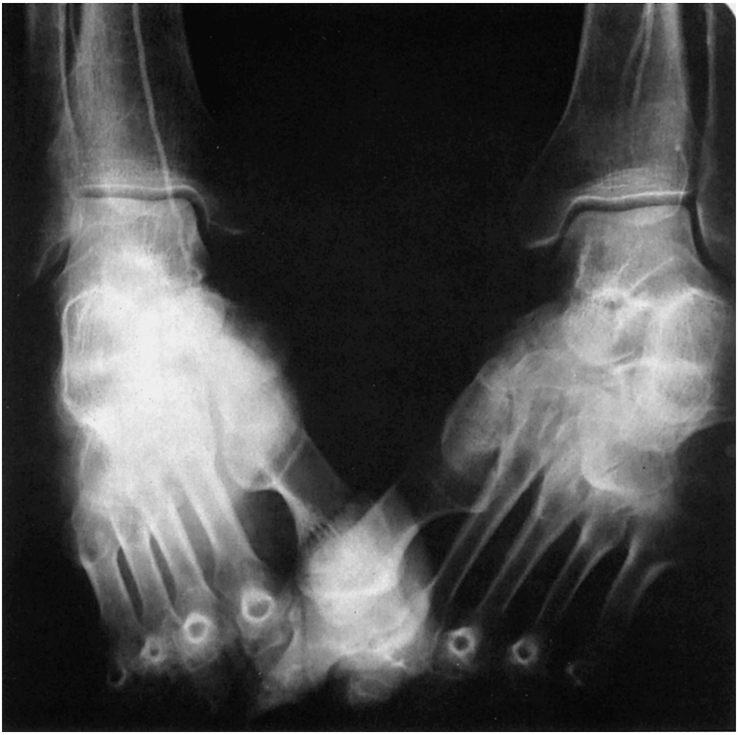
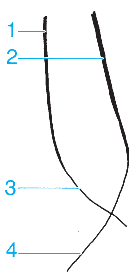
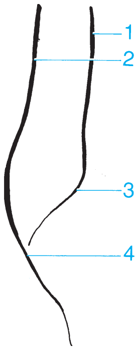




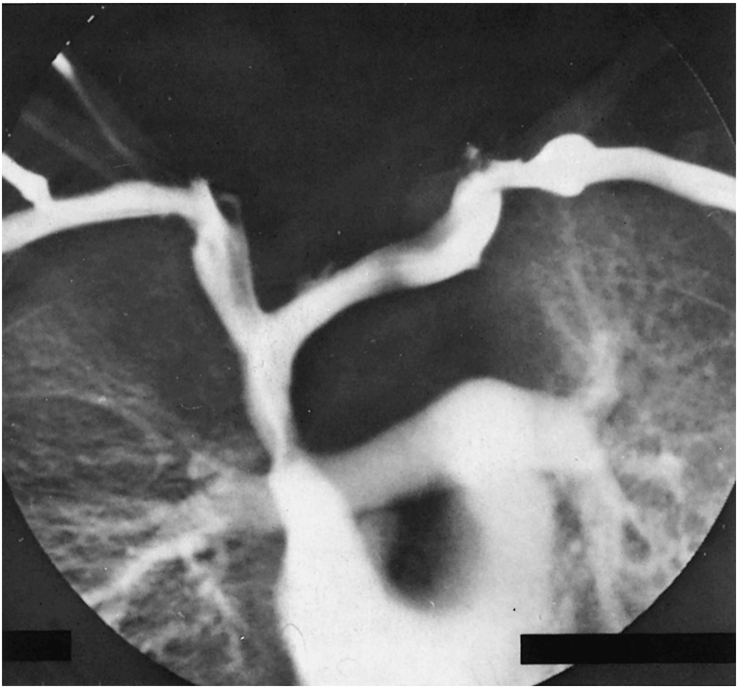
1 Circumflex fibular artery
2 Muscular branch
3 Anterior tibial artery
4 Peroneal artery
5 Posterior tibial artery

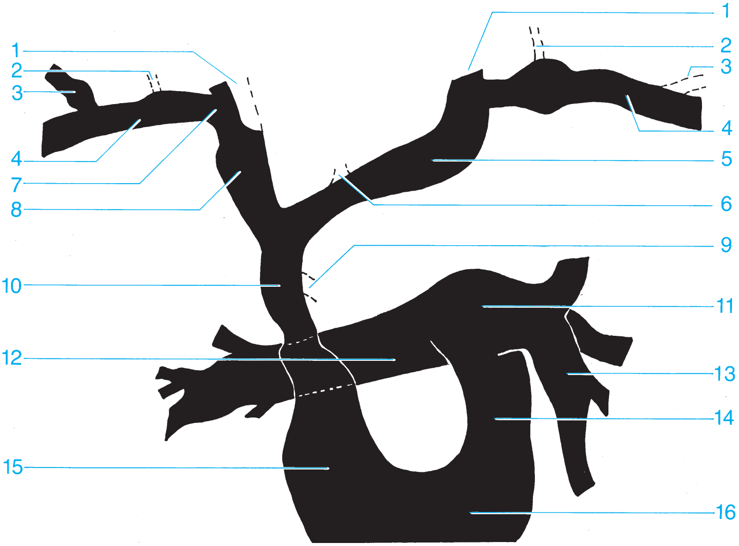




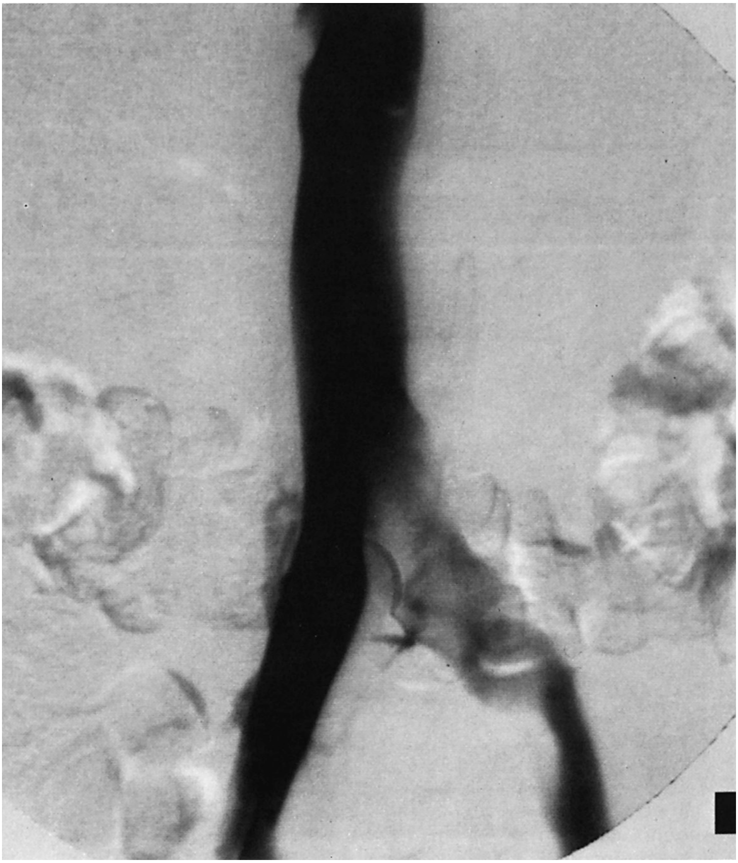


1 Anterior tibial artery	**3** Dorsalis pedis artery
2 Posterior tibial artery	**4** Plantar artery

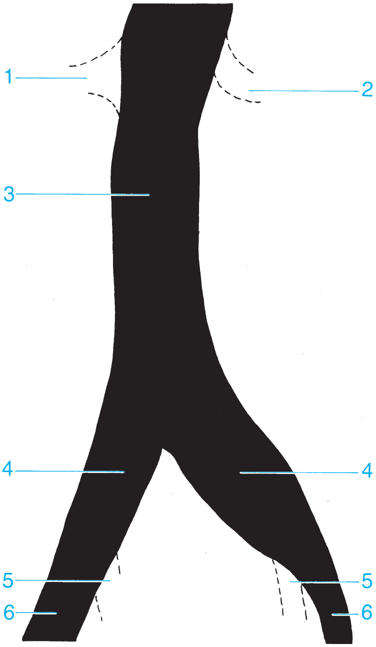




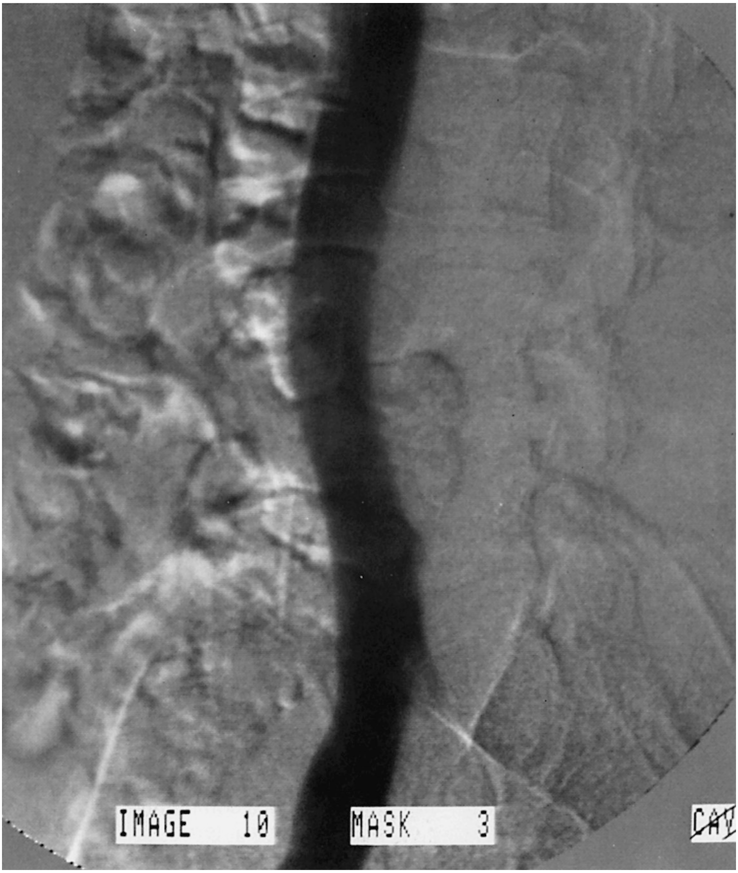
1	Internal jugular vein	**9**	Azygos vein
2	External jugular vein	**10**	Superior vena cava
3	Cephalic vein	**11**	Pulmonary trunk
4	Subclavian vein	**12**	Right pulmonary artery
5	Left brachiocephalic vein	**13**	Left pulmonary artery
6	Inferior thyroid vein	**14**	Infundibulum
7	Venous angle	**15**	Right atrium
8	Right brachiocephalic vein	**16**	Right ventricle



Anterior-Posterior Inferior Vena Cava Venogram



1	Right renal vein	**4**	Common iliac vein
2	Left renal vein	**5**	Internal iliac vein
3	Inferior vena cava	**6**	External iliac vein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MASK 3
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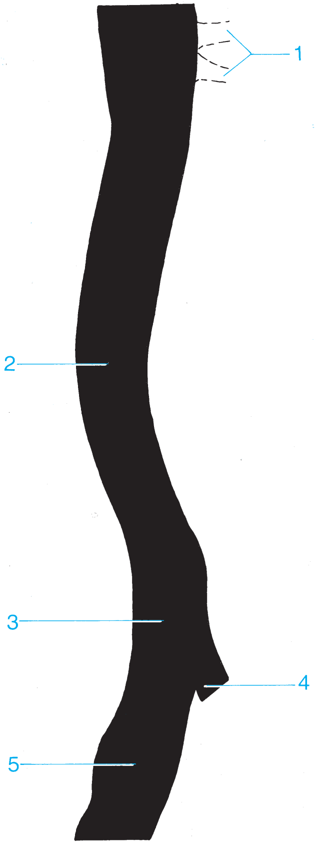
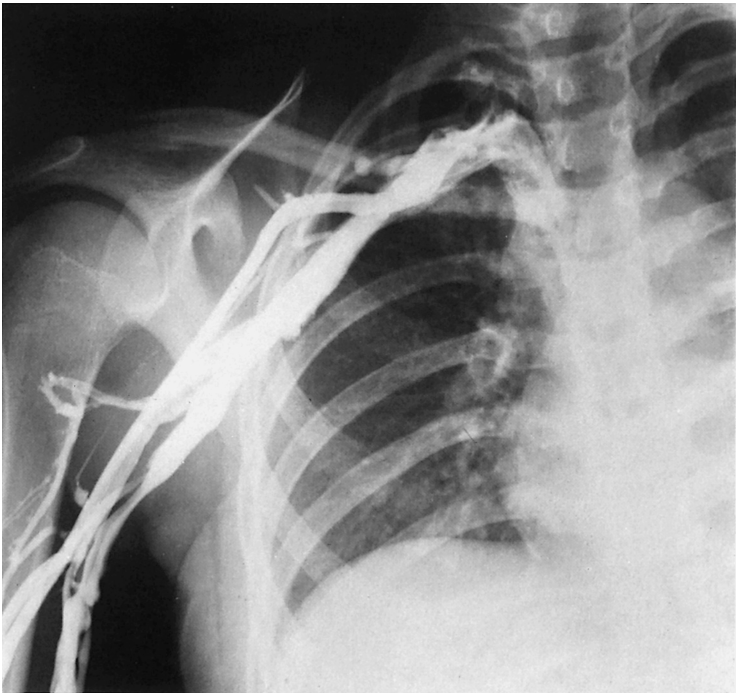
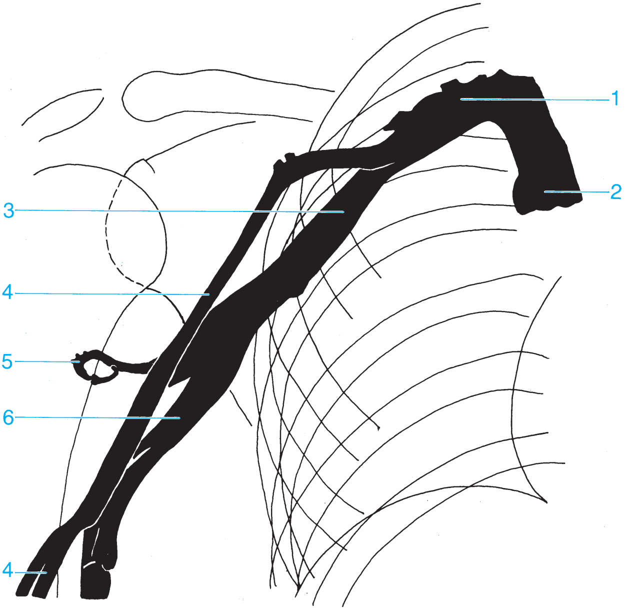
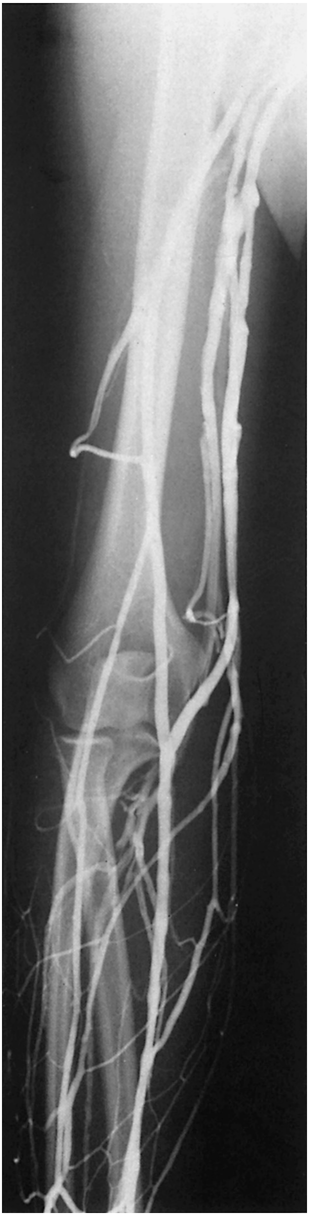


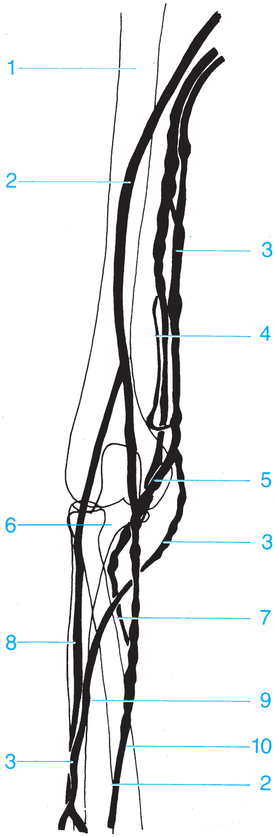
1	Renal veins	**4**	Internal iliac vein
2	Inferior vena cava	**5**	External iliac vein
3	Common iliac vein		





1	Subclavian vein	**4**	Cephalic vein
2	Superior vena cava	**5**	Deep veins of the arm
3	Axillary vein	**6**	Brachial veins

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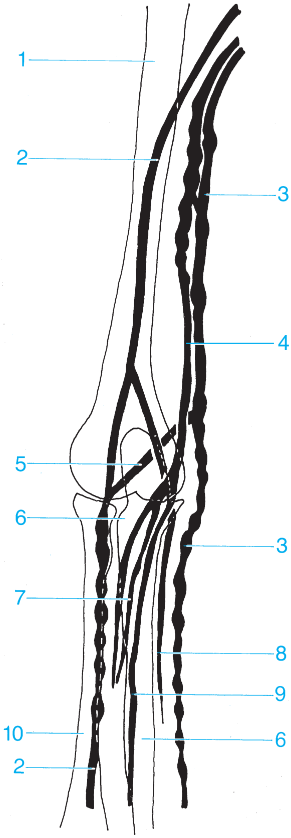
Pronation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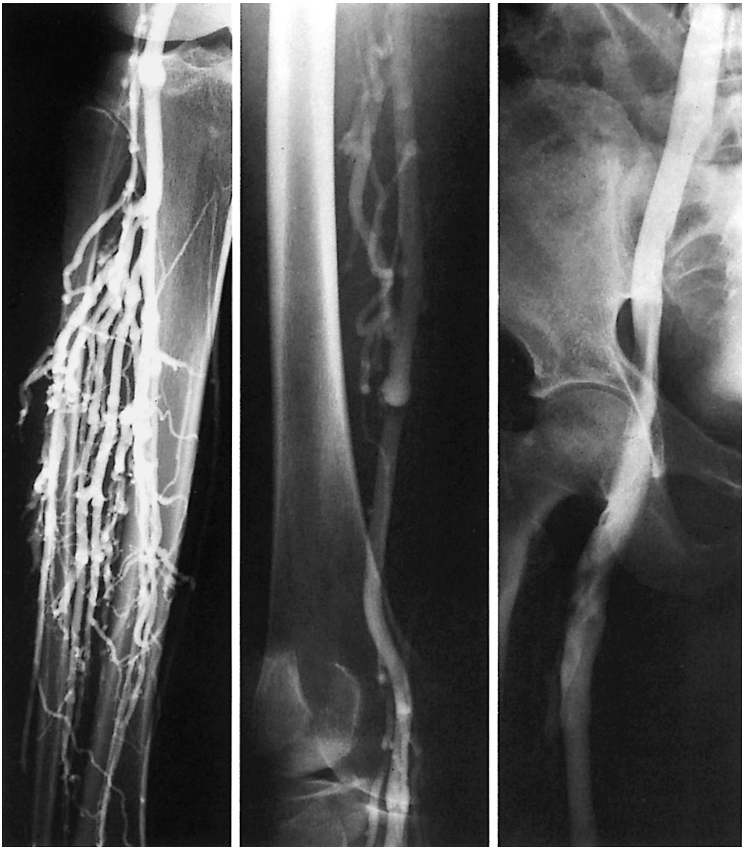
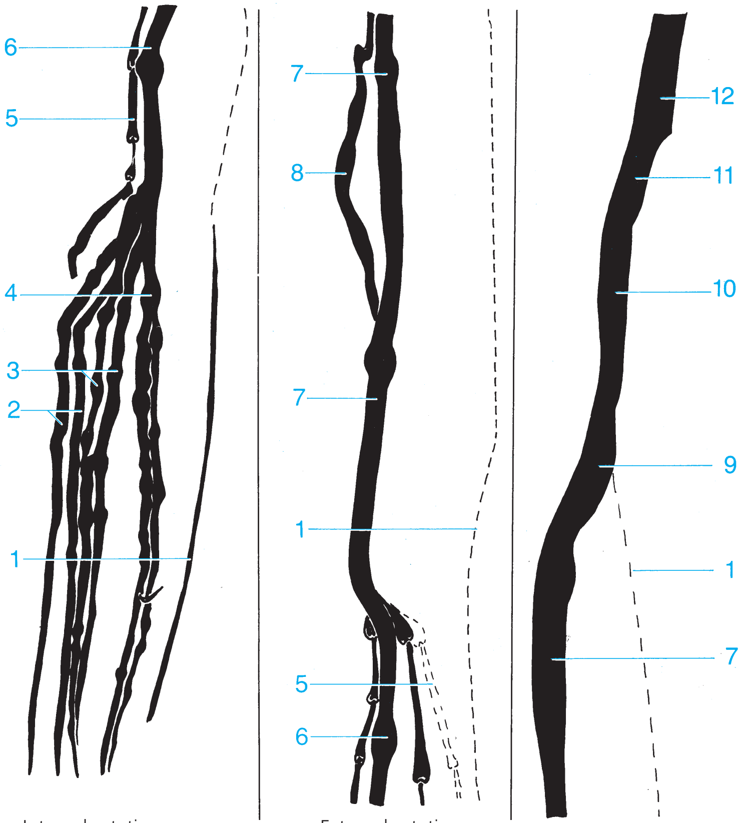
Supination

1	Humerus
2	Cephalic vein
3	Basilic vein
4	Brachial vein
5	Median cubital vein
6	Ulna
7	Radial veins
8	Ulnar veins
9	Median antebrachial vein
10	Radius



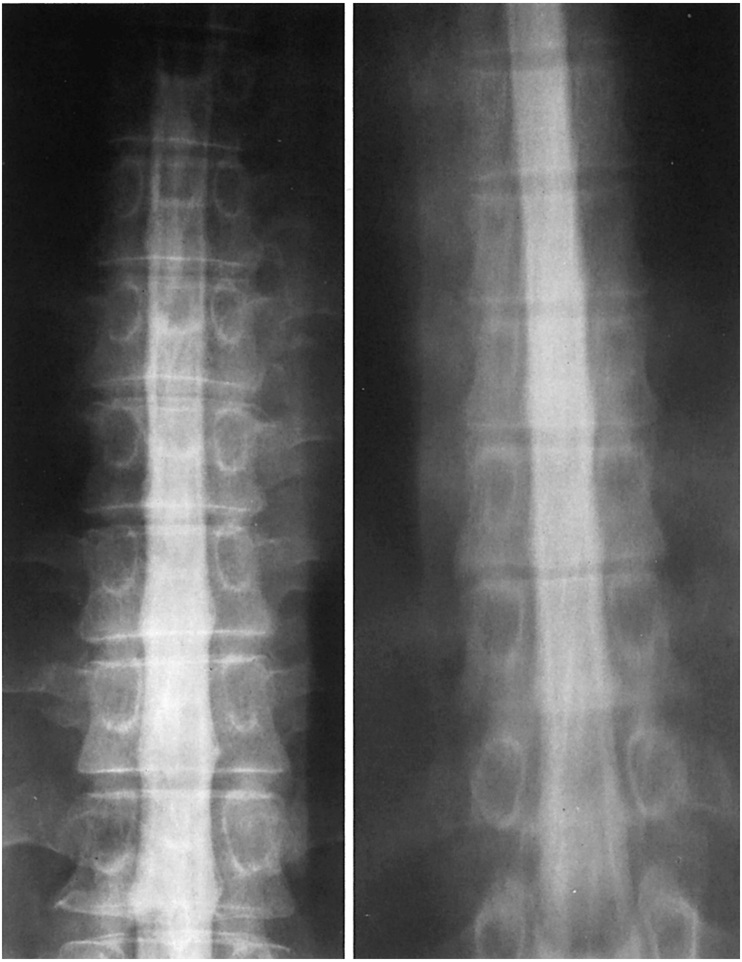


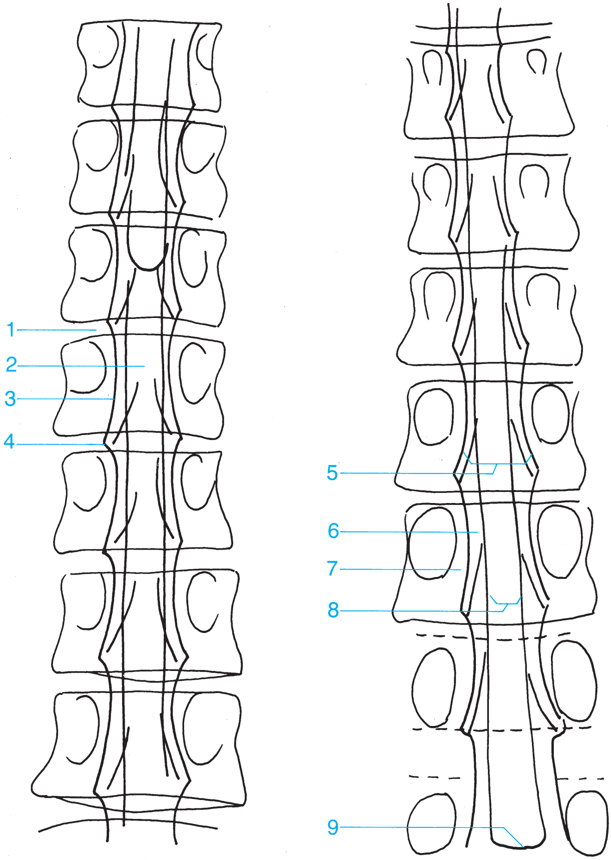
Internal rotation

External rotation

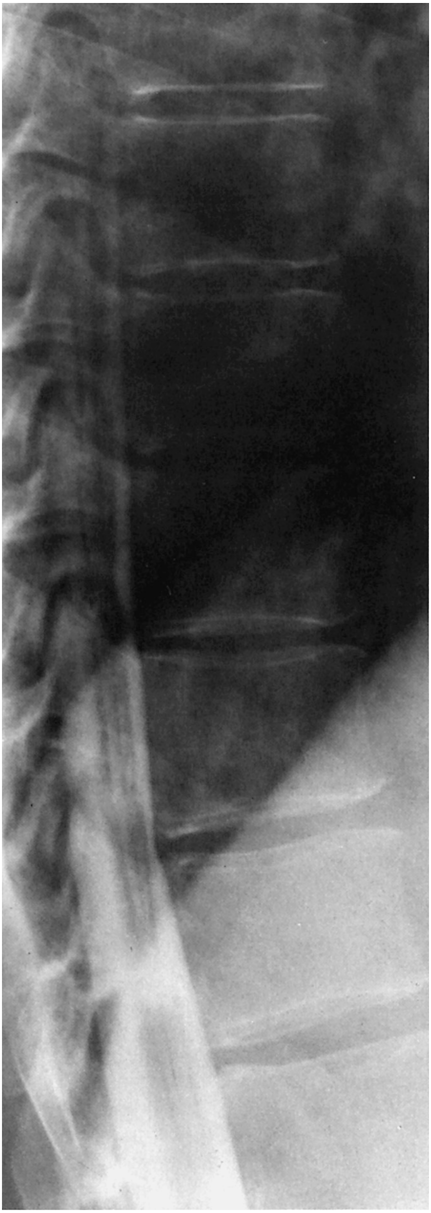
1	Great saphenous vein	**7**	Superficial femoral vein
2	Anterior tibial veins	**8**	Deep femoral vein
3	Peroneal veins	**9**	Femoral vein
4	Posterior tibial veins	**10**	External iliac vein
5	Small saphenous vein	**11**	Common iliac vein
6	Popliteal vein	**12**	Inferior vena cava

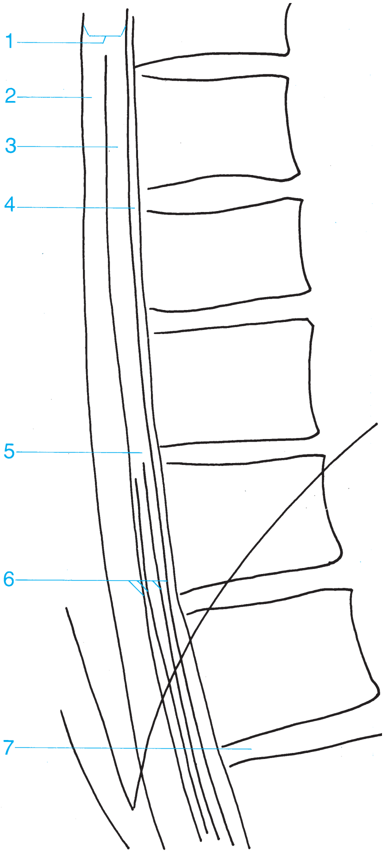
Special Studies



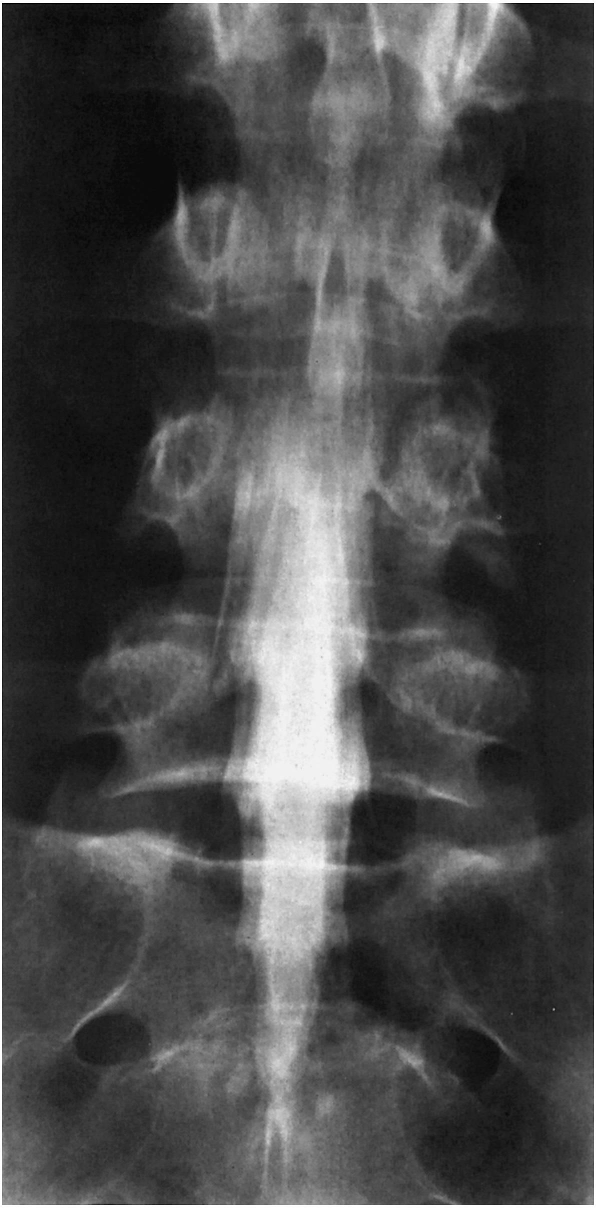


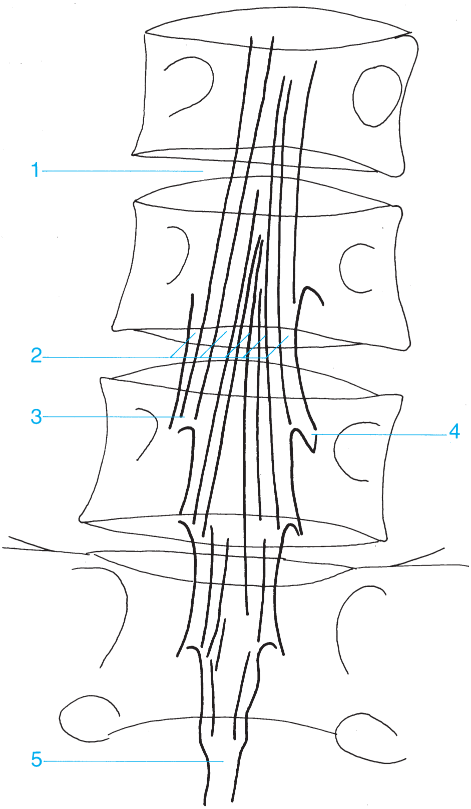
1 Intervertebral disk
2 Spinal cord
3 Lateral margin of the dural sac
4 Nerve root sheath
5 Intradural space
6 Lateral subarachnoid space
7 Extradural space
8 Intramedullary region
9 Medullary cone



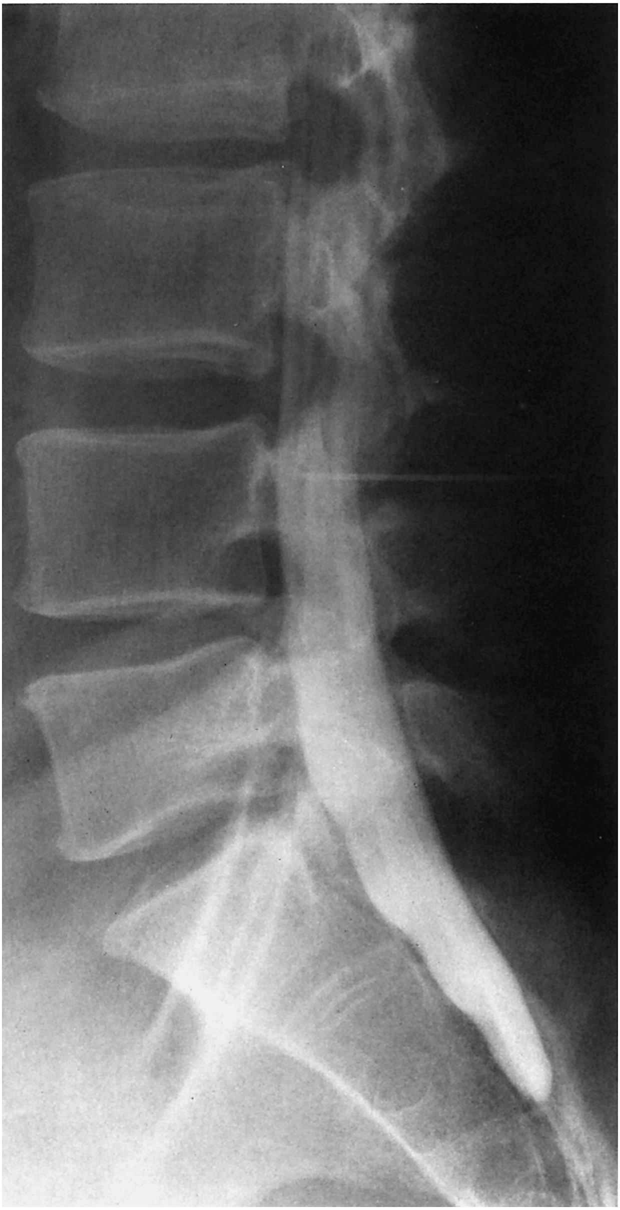


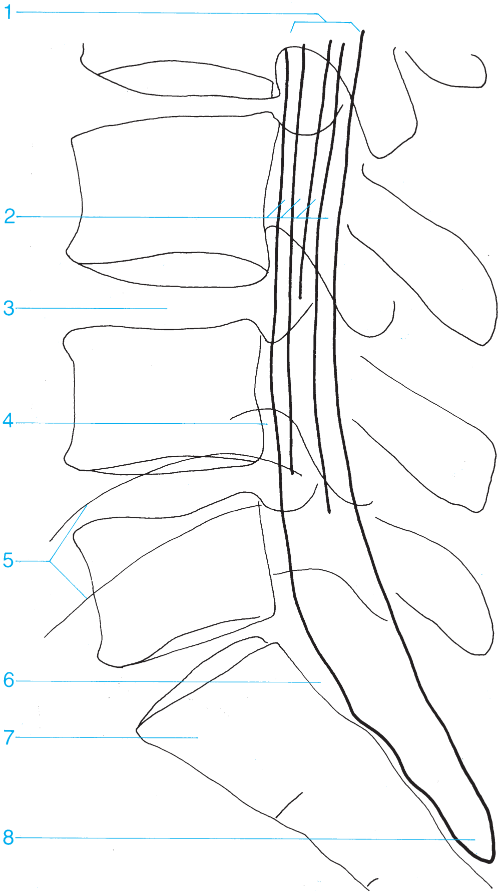
1	Dural sac	**5**	Medullary cone
2	Posterior subarachnoid space	**6**	Cauda equina
3	Spinal cord	**7**	Intervertebral disk
4	Anterior subarachnoid space		



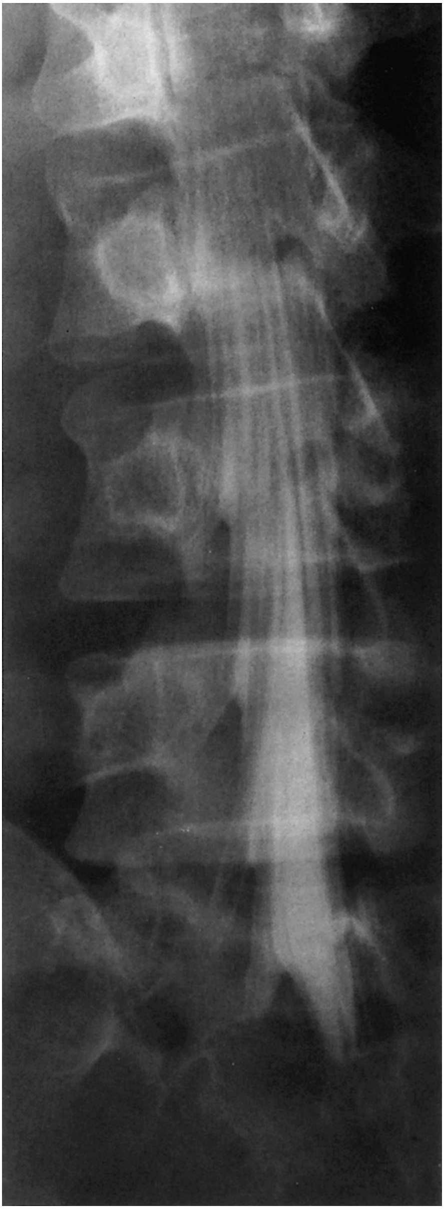


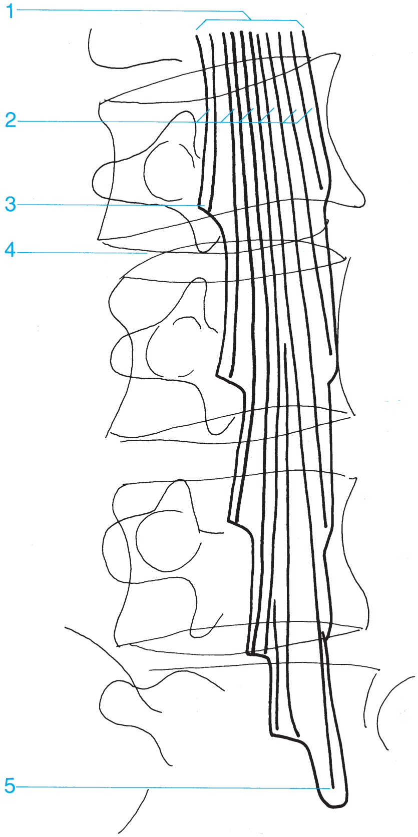
1 Intervertebral disk
2 Cauda equina
3 Spinal nerve root in the subarachnoid space
4 Nerve root sheath
5 Distal end of the dural sac



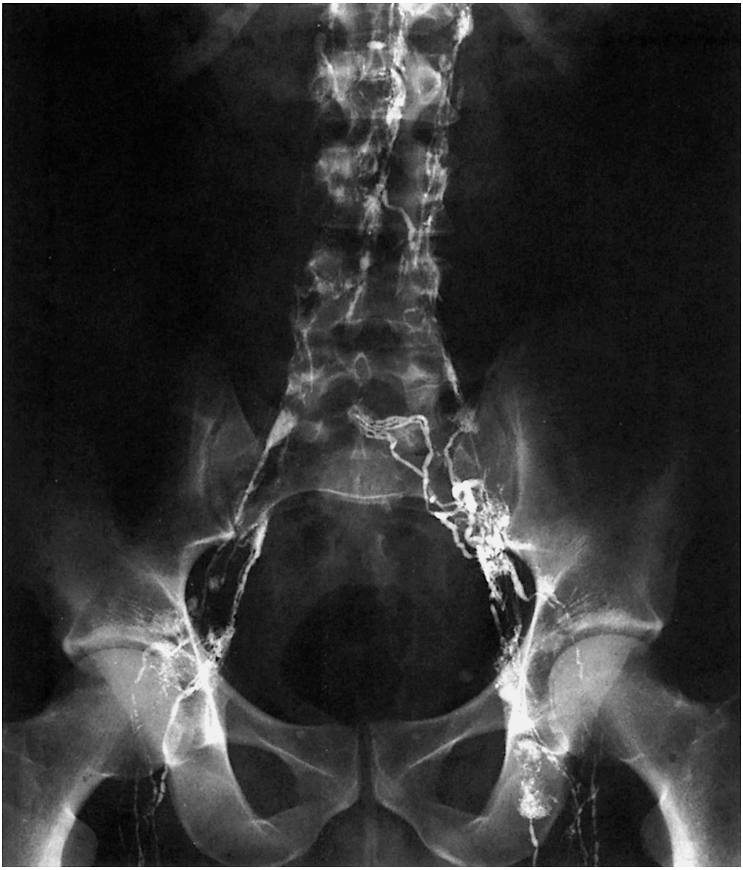


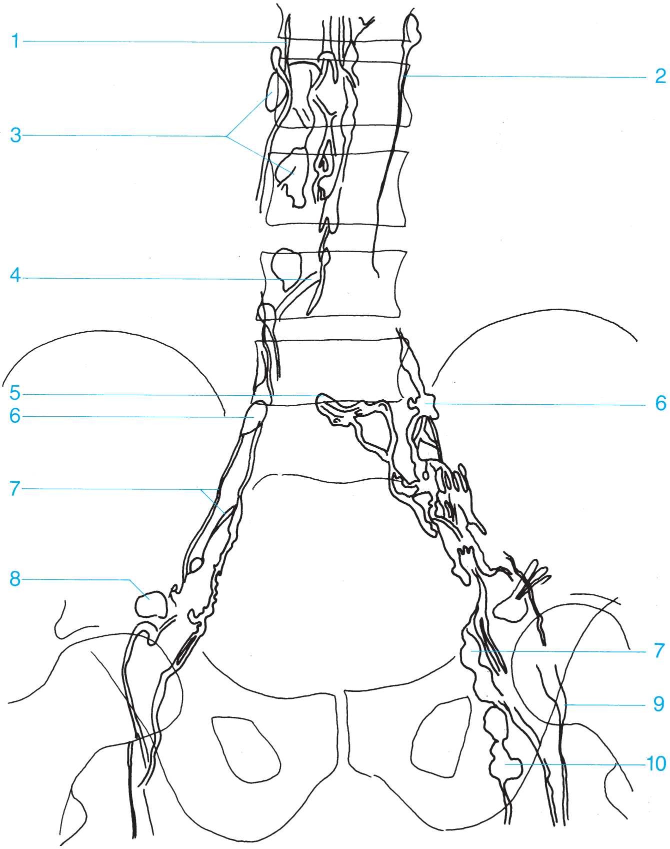
1 Dural sac
2 Cauda equina
3 Intervertebral disk
4 Intervertebral foramen
5 Iliac crest
6 Epidural fat
7 Sacrum
8 Distal end of the dural sac



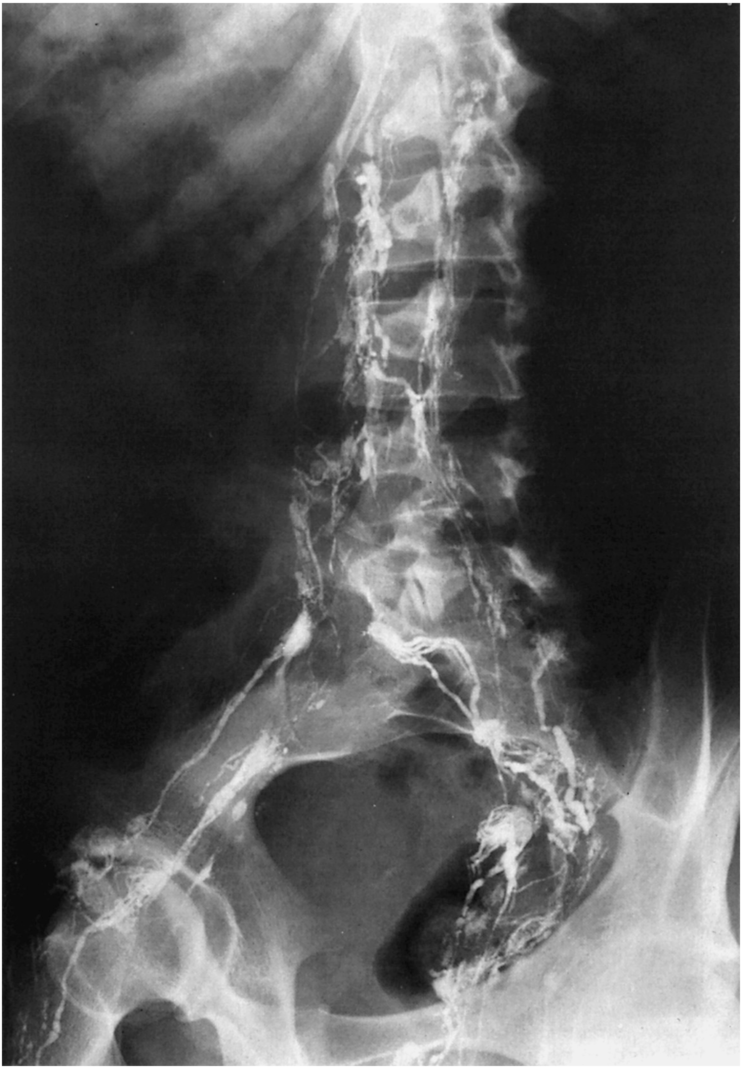


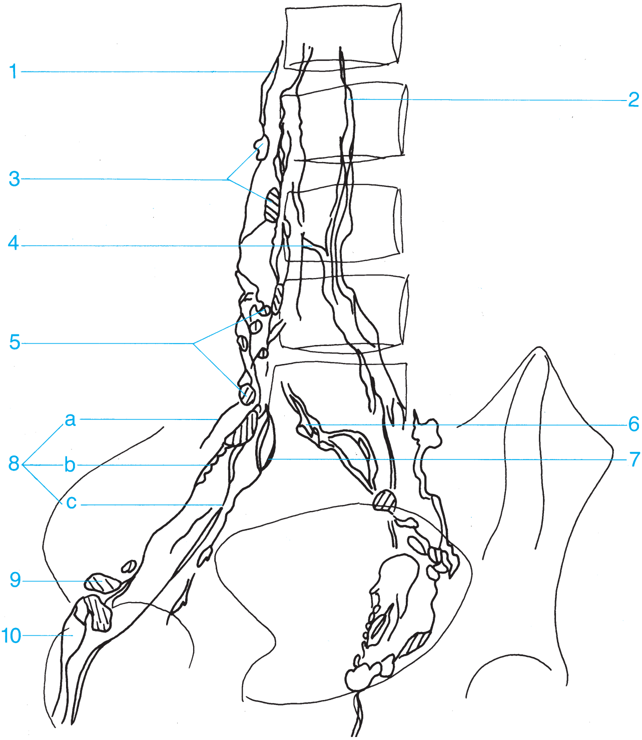
1	Dural sac	**4**	Intervertebral disk L3–4
2	Cauda equina	**5**	Distal end of the dural sac (usually at the level of S1 or S2)
3	Nerve root sheath, L3		



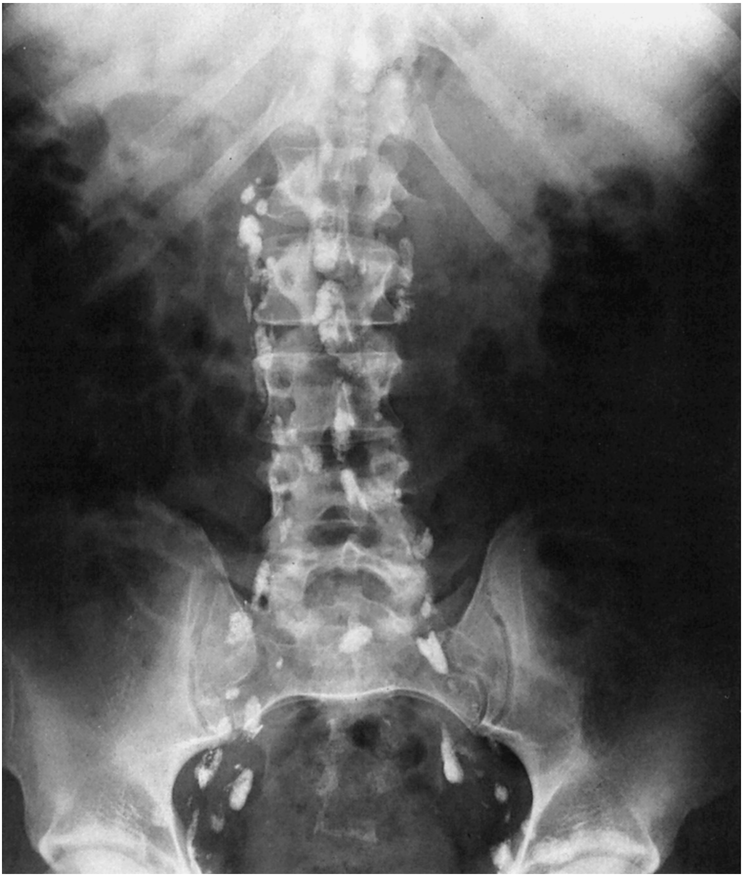


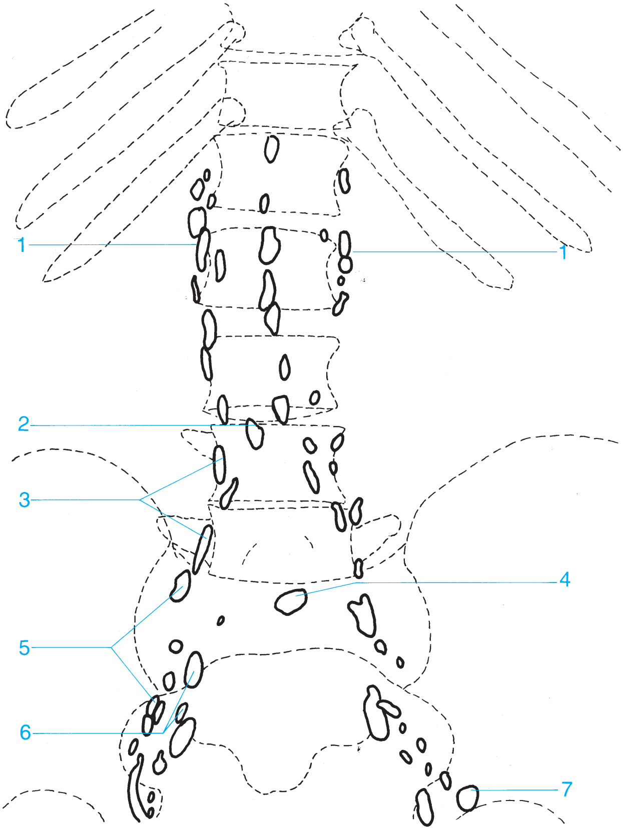
1 Right lumbar trunk
2 Left lumbar trunk
3 Lumbar lymph nodes
4 Crossover
5 Promontory lymph nodes
6 Common iliac lymph nodes
7 Lymph channels of the external iliac lymph nodes
8 Lateral lacunar lymph nodes
9 Superficial inguinal lymph nodes
10 Deep inguinal lymph nodes



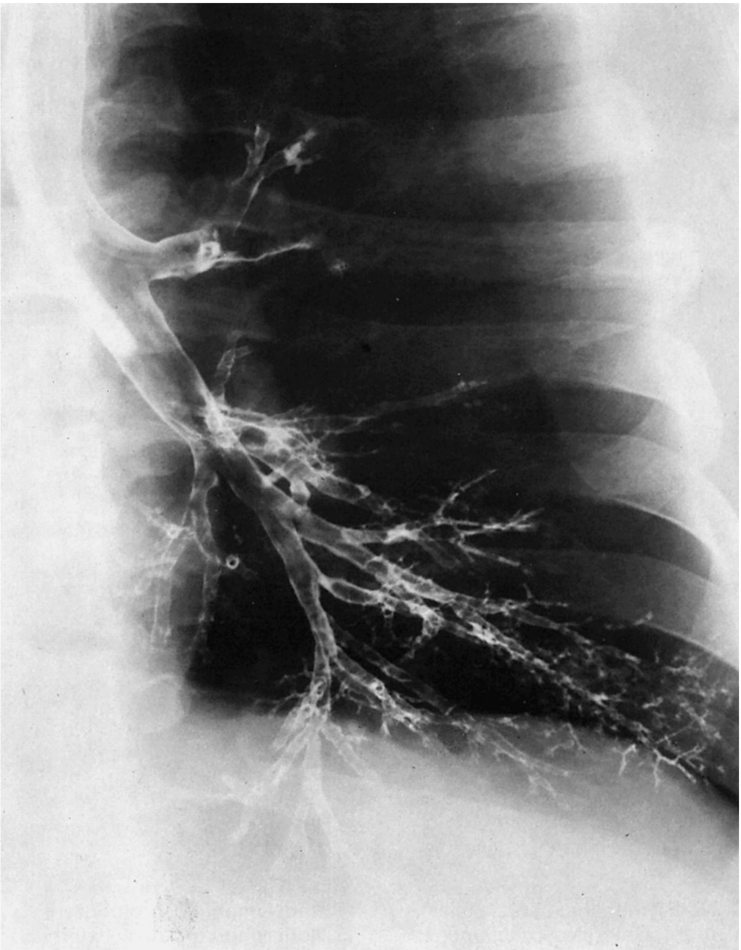


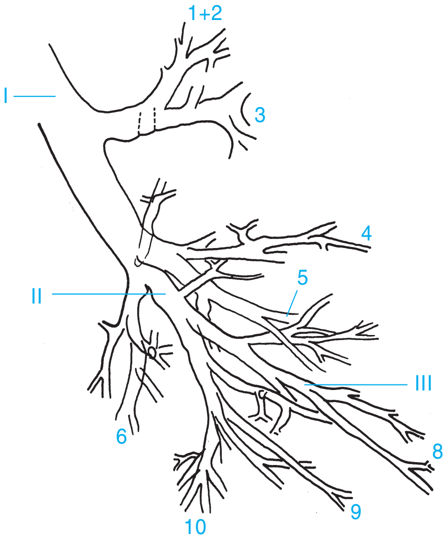
1 Right lumbar trunk
2 Left lumbar trunk
3 Lumbar lymph nodes
4 Crossover
5 Common iliac lymph nodes
6 Promontory lymph nodes
7 Lymph channels connecting the internal iliac lymph nodes with the external and common iliac lymph nodes
8 External and common iliac lymph nodes
  a External chain
  b Middle chain
  c Internal chain
9 Lacunar lymph node
10 Superficial inguinal lymph nodes



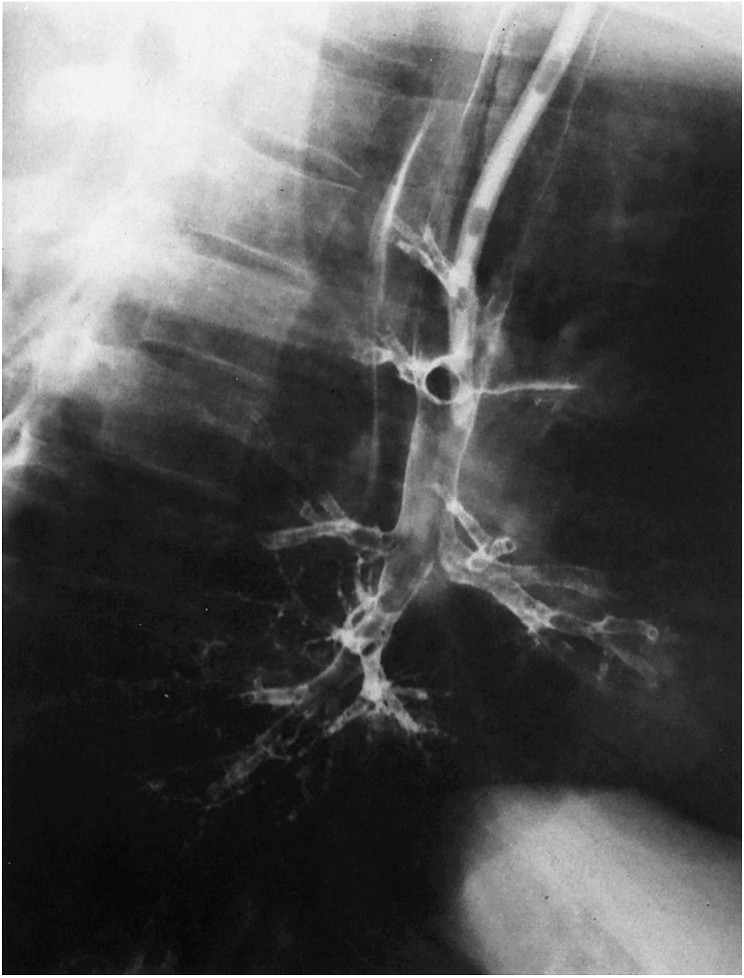


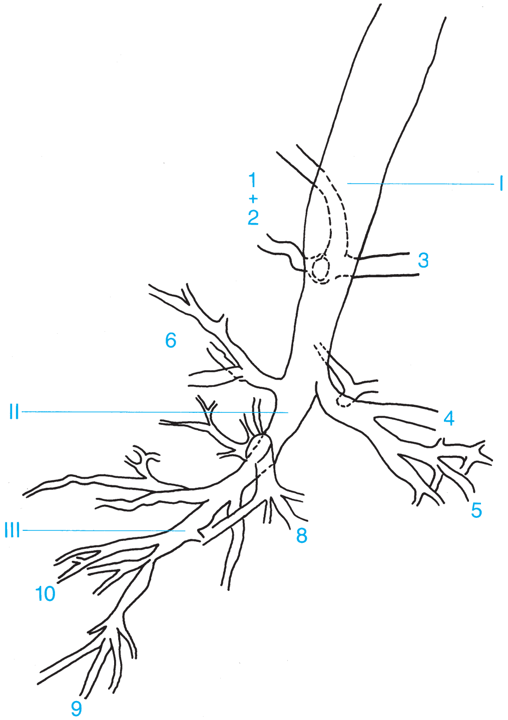
1	Para-aortic lymph nodes (lateral aortic, preaortic, and retroaortic)	**4**	Promontory lymph nodes
2	Crossover	**5**	External iliac lymph nodes
3	Common iliac lymph nodes	**6**	Internal iliac lymph nodes
		7	Lacunar lymph node



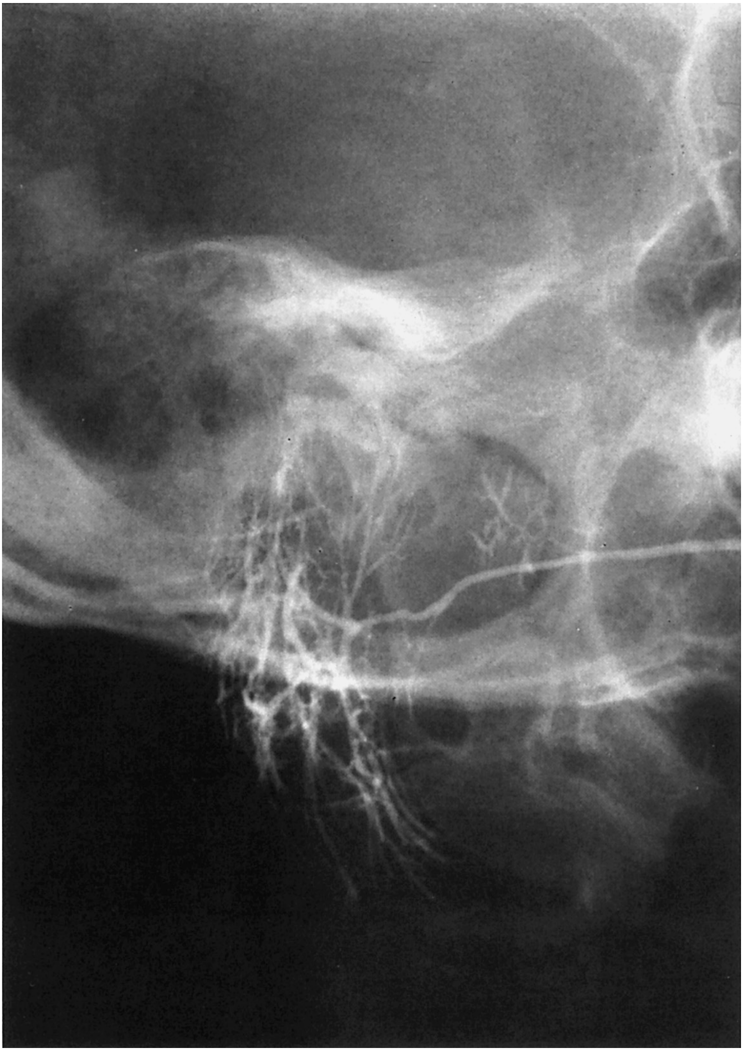


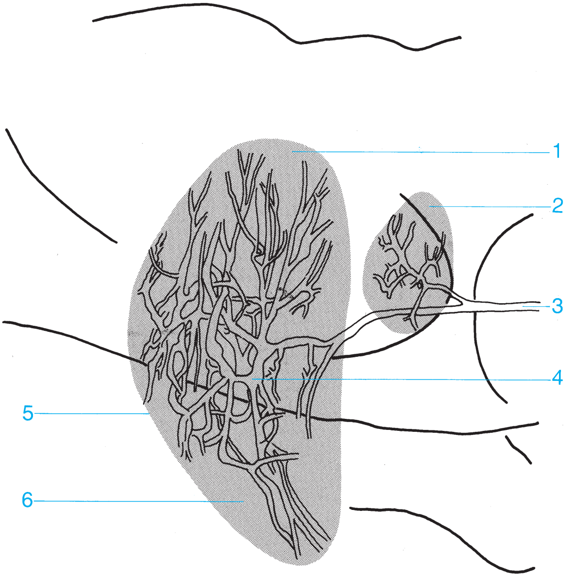
1 + 2	Apical-posterior segment of the upper lobe	**8**	Anterior-medial basal segment of the lower lobe
3	Anterior segment of the upper lobe	**9**	Lateral basal segment of the lower lobe
4	Lingula of the superior segment of the upper lobe	**10**	Posterior basal segment of the lower lobe
5	Lingula of the inferior segment of the upper lobe	**I**	Main bronchus
6	Superior segment of the lower lobe	**II**	Lobar bronchus
7	Not present on left side	**III**	Segmental bronchus



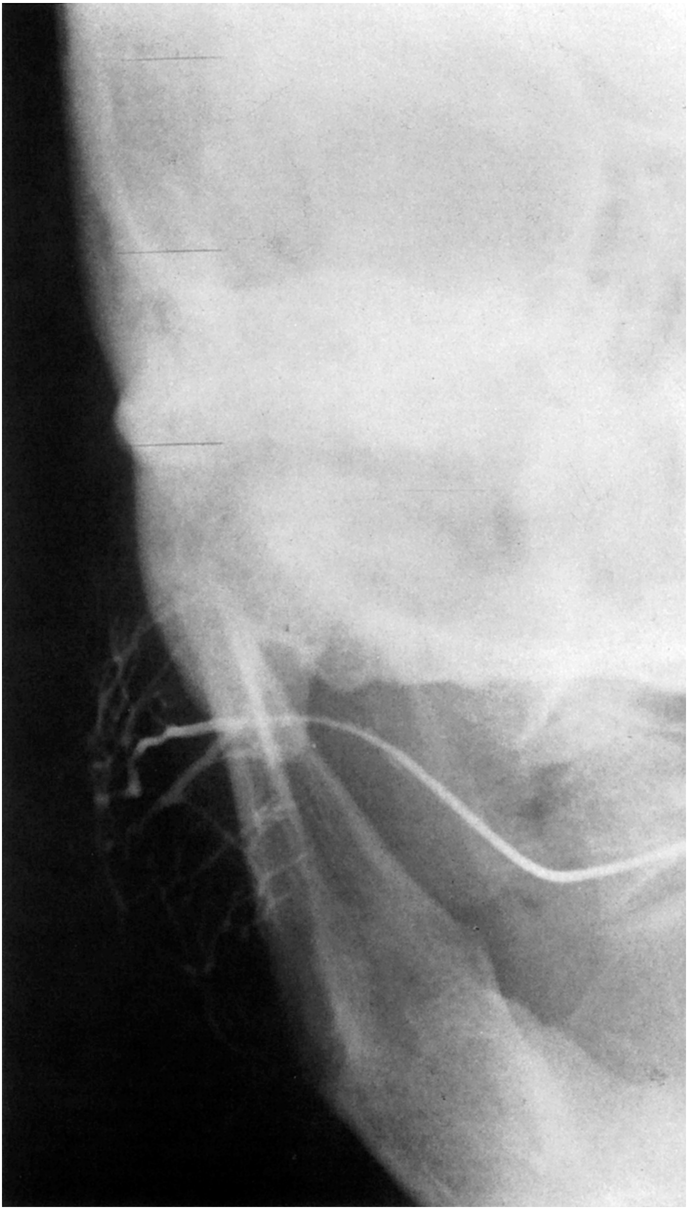


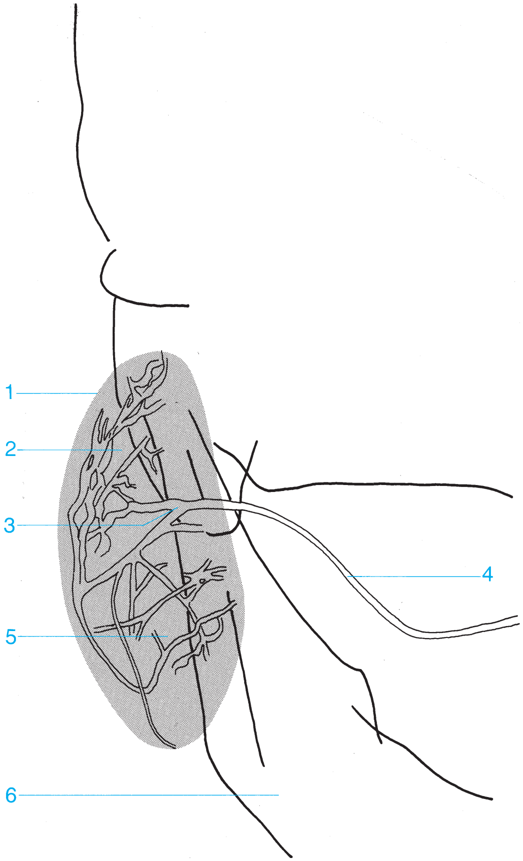
1 + 2	Apical-posterior segment of the upper lobe	**8**	Anterior-medial basal segment of the lower lobe
3	Anterior segment of the upper lobe	**9**	Lateral basal segment of the lower lobe
4	Lingula of the superior segment of the upper lobe	**10**	Posterior basal segment of the lower lobe
5	Lingula of the inferior segment of the upper lobe	**I**	Main bronchus
6	Superior segment of the lower lobe	**II**	Lobar bronchus
7	Not present on left side	**III**	Segmental bronchus



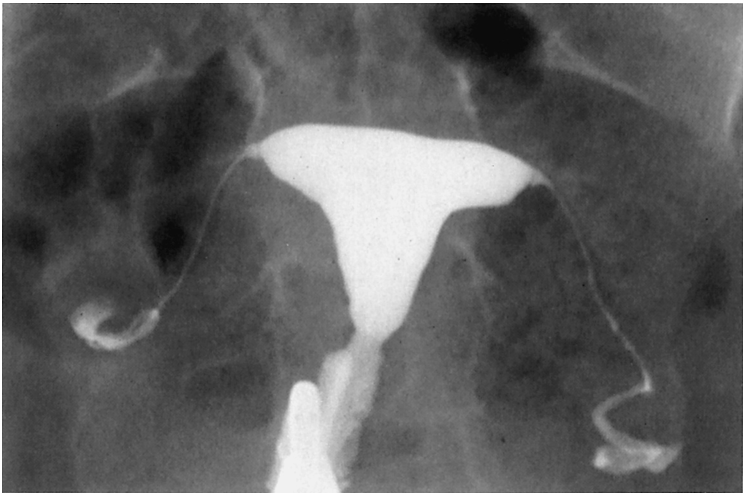


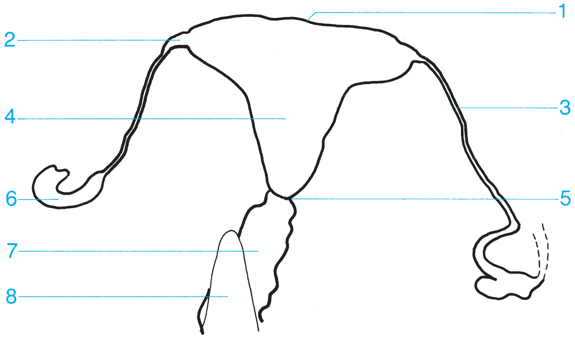
1	Superficial lobe of the parotid gland	**4**	Intralobular ductal system
2	Accessory parotid gland	**5**	Parotid gland
3	Parotid duct (Stenson's duct)	**6**	Deep lobe of the parotid gland (beneath the facial nerve)



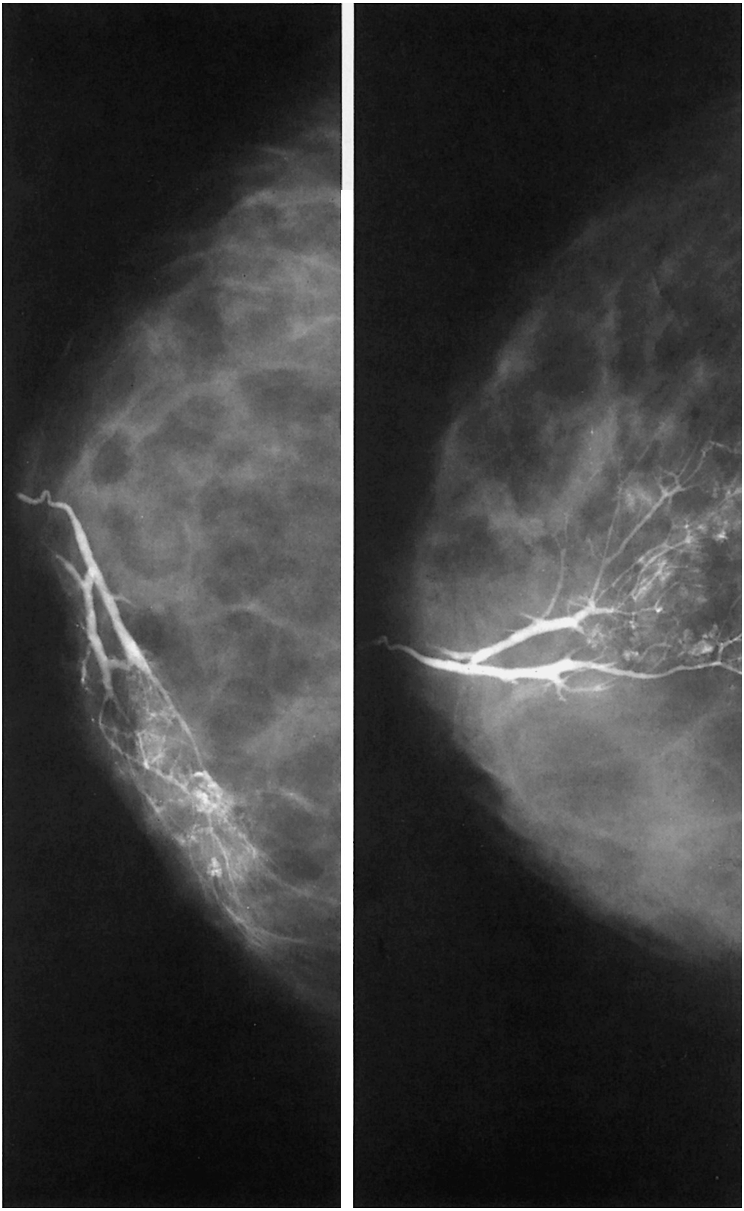


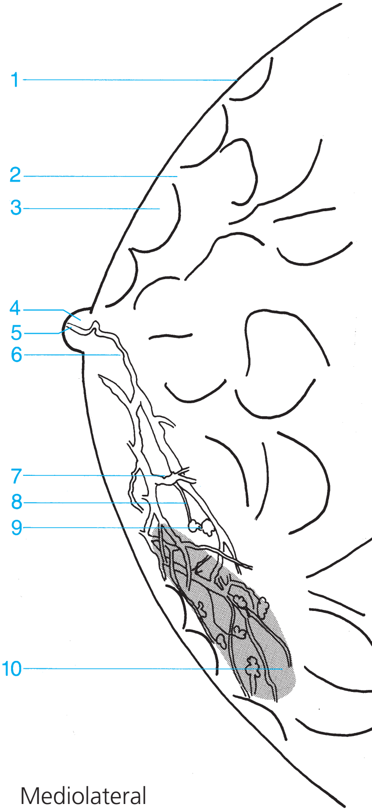
1	Parotid gland	**4**	Parotid duct (Stensen's duct)
2	Superficial lobe of the parotid gland (on the facial nerve)	**5**	Deep lobe of the parotid gland (beneath the facial nerve)
3	Intralobular parotid ductal system	**6**	Mandible



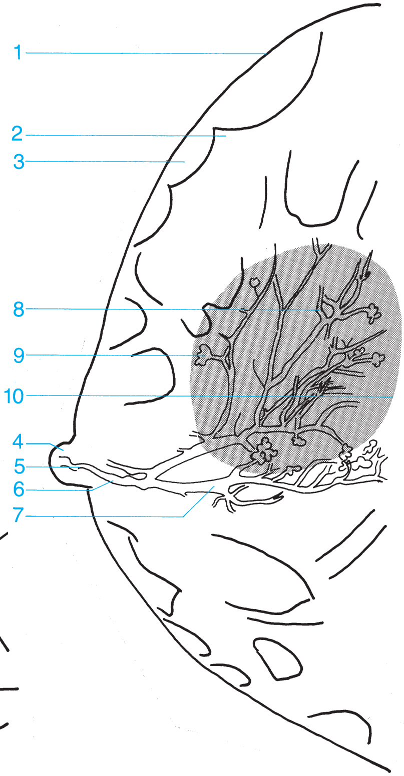


1	Fundus of the uterus	**5**	Cervical canal
2	Uterine ostium of the fallopian tube	**6**	Fimbriae of the fallopian tube
3	Fallopian tube	**7**	Vagina
4	Uterine cavity	**8**	Instrument



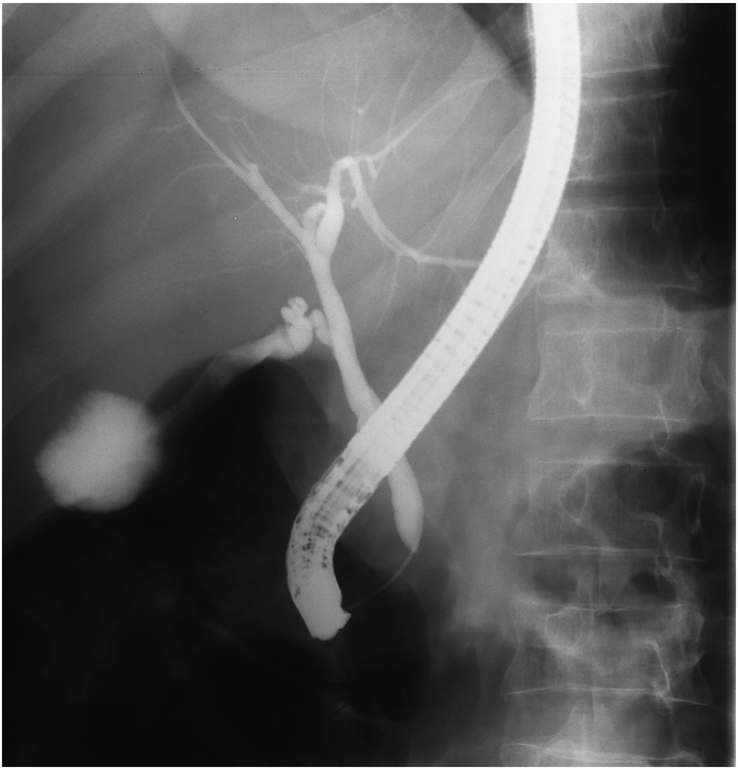


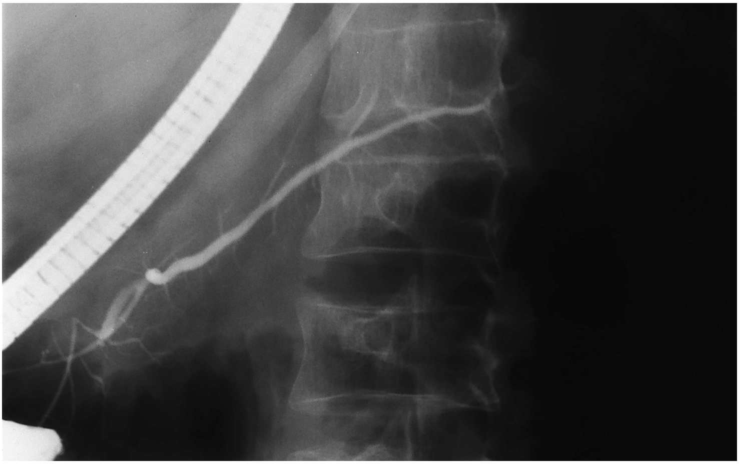
Mediolateral

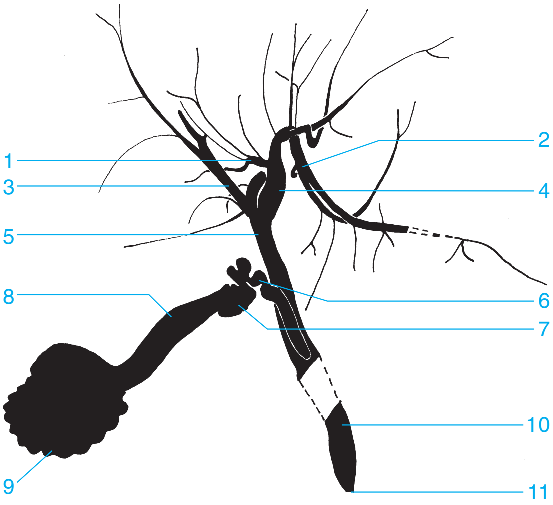


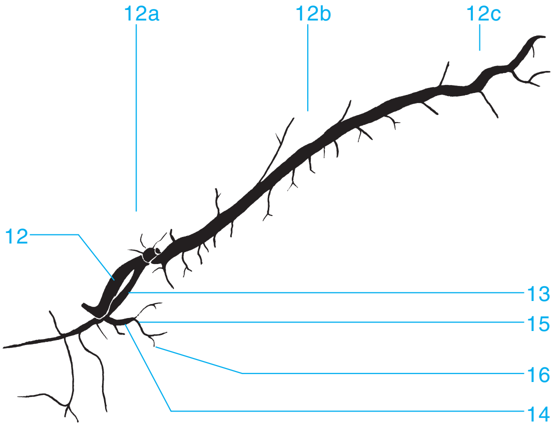
Craniocaudal

1 Skin and subcutaneous tissue
2 Cooper's ligament
3 Subcutaneous fatty tissue
4 Nipple
5 Main lactiferous duct posterior to the nipple
6 Lactiferous sinus
7 Lactiferous duct
8 Ductules
9 Lobules
10 Lobe









1	Medial branch of the left hepatic duct	**10**	Common bile duct
2	Lateral branch	**11**	Papilla of Vater
3	Right hepatic duct	**12**	Pancreatic duct
4	Left hepatic duct		a Head region
5	Common hepatic duct		b Body region
6	Cystic duct		c Tail region
7	Neck of the gallbladder	**13**	Accessory pancreatic duct
8	Body of the gallbladder	**14**	Primary lateral duct
9	Fundus of the gallbladder	**15**	Secondary lateral duct
		16	Tertiary lateral duct

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